OM nucleic - nucleic search, using sw model

GenCore version 5.1.6
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Run on: June 8, 2004, 07:21:12 ; Search time 763 Seconds
(without alignments)
4.158 Million cell updates/sec

Title: US-10-017-084A-522
Perfect score: 1679
Sequence: 1 gttgtgtcctcagcaaaac.........ataaaaagagcaaaaaaaa 1679

Scoring table: IDENTITY_NUC
                Gapop 10.0 , Gapext 0.5

Searched: 562 seqs, 944762 residues

Total number of hits satisfying chosen parameters: 1124

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 562 summaries

Database :   rnpb522.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1679	100.0	1679	1	US-10-013-921A-522	Sequence 522, App
2	1679	100.0	1679	1	US-10-123-108-375	Sequence 375, App
3	1679	100.0	1679	1	US-10-123-236-375	Sequence 375, App
4	1679	100.0	1679	1	US-10-123-261-375	Sequence 375, App
5	1679	100.0	1679	1	US-10-140-921-375	Sequence 375, App
6	1679	100.0	1679	1	US-10-124-822-375	Sequence 375, App
7	1679	100.0	1679	1	US-10-140-928-375	Sequence 375, App
8	1679	100.0	1679	1	US-10-216-159A-125	Sequence 125, App
9	1679	100.0	1679	1	US-10-013-929A-522	Sequence 522, App
10	1679	100.0	1679	1	US-10-016-177A-522	Sequence 522, App
11	1679	100.0	1679	1	US-10-121-045-375	Sequence 375, App
12	1679	100.0	1679	1	US-10-123-292-375	Sequence 375, App
13	1679	100.0	1679	1	US-10-123-903-375	Sequence 375, App
14	1679	100.0	1679	1	US-10-124-819-375	Sequence 375, App
15	1679	100.0	1679	1	US-10-124-822-375	Sequence 375, App
16	1679	100.0	1679	1	US-10-140-925-375	Sequence 375, App
17	1679	100.0	1679	1	US-10-160-498-375	Sequence 375, App
18	1679	100.0	1679	1	US-10-218-849-125	Sequence 125, App
19	1679	100.0	1679	1	US-10-227-873-125	Sequence 125, App
20	1679	100.0	1679	1	US-10-124-824-375	Sequence 375, App
21	1679	100.0	1679	1	US-10-227-883-125	Sequence 125, App
22	1679	100.0	1679	1	US-10-127-829A-375	Sequence 375, App
23	1679	100.0	1679	1	US-10-127-835A-375	Sequence 375, App
24	1679	100.0	1679	1	US-10-127-839A-375	Sequence 375, App
25	1679	100.0	1679	1	US-10-127-901A-375	Sequence 375, App
26	1679	100.0	1679	1	US-10-128-693A-375	Sequence 375, App
27	1679	100.0	1679	1	US-10-131-813A-375	Sequence 375, App
28	1679	100.0	1679	1	US-10-131-818A-375	Sequence 375, App
29	1679	100.0	1679	1	US-10-131-823A-375	Sequence 375, App
30	1679	100.0	1679	1	US-10-131-824A-375	Sequence 375, App
31	1679	100.0	1679	1	US-10-131-830A-375	Sequence 375, App
32	1679	100.0	1679	1	US-10-131-837A-375	Sequence 375, App
33	1679	100.0	1679	1	US-10-137-872A-375	Sequence 375, App
34	1679	100.0	1679	1	US-10-147-500-375	Sequence 375, App
35	1679	100.0	1679	1	US-10-147-502-375	Sequence 375, App
36	1679	100.0	1679	1	US-10-147-515-375	Sequence 375, App
37	1679	100.0	1679	1	US-10-147-517-375	Sequence 375, App
38	1679	100.0	1679	1	US-10-147-526-375	Sequence 375, App
39	1679	100.0	1679	1	US-10-147-527-375	Sequence 375, App
40	1679	100.0	1679	1	US-10-121-041-375	Sequence 375, App
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43	1679	100.0	1679	1	US-10-221-215-375	Sequence 375, App
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49	1679	100.0	1679	1	US-10-124-817-375	Sequence 375, App
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52	1679	100.0	1679	1	US-10-140-860-375	Sequence 375, App
53	1679	100.0	1679	1	US-10-140-417-375	Sequence 375, App
54	1679	100.0	1679	1	US-10-147-519-375	Sequence 375, App
55	1679	100.0	1679	1	US-10-157-782-375	Sequence 375, App
56	1679	100.0	1679	1	US-10-152-395-375	Sequence 375, App
57	1679	100.0	1679	1	US-10-219-076-125	Sequence 125, App
58	1679	100.0	1679	1	US-10-230-043-125	Sequence 125, App
59	1679	100.0	1679	1	US-10-125-926A-375	Sequence 375, App
60	1679	100.0	1679	1	US-10-125-930A-375	Sequence 375, App
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63	1679	100.0	1679	1	US-10-127-838B-375	Sequence 375, App
64	1679	100.0	1679	1	US-10-127-842A-375	Sequence 375, App
65	1679	100.0	1679	1	US-10-127-850A-375	Sequence 375, App
66	1679	100.0	1679	1	US-10-127-843A-375	Sequence 375, App
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68	1679	100.0	1679	1	US-10-127-848A-375	Sequence 375, App
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71	1679	100.0	1679	1	US-10-127-851A-375	Sequence 375, App
72	1679	100.0	1679	1	US-10-127-838B-375	Sequence 375, App
73	1679	100.0	1679	1	US-10-128-684A-375	Sequence 375, App
74	1679	100.0	1679	1	US-10-128-690A-375	Sequence 375, App
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84	1679	100.0	1679	1	US-10-175-735-375	Sequence 375, App
85	1679	100.0	1679	1	US-10-121-040-375	Sequence 375, App
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87	1679	100.0	1679	1	US-10-121-061-375	Sequence 375, App
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95	1679	100.0	1679	1	US-10-124-815-375	Sequence 375, App
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97	1679	100.0	1679	1	US-10-125-928A-375	Sequence 375, App
98	1679	100.0	1679	1	US-10-127-821A-375	Sequence 375, App
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104	1679	100.0	1679	1	US-10-127-832A-375	Sequence 375, App
105	1679	100.0	1679	1	US-10-127-833A-375	Sequence 375, App
106	1679	100.0	1679	1	US-10-127-833A-375	Sequence 375, App

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107	1679	100.0	1679	1	US-10-127-834A-375	Sequence 375, App
108	1679	100.0	1679	1	US-10-127-836A-375	Sequence 375, App
109	1679	100.0	1679	1	US-10-127-841A-375	Sequence 375, App
110	1679	100.0	1679	1	US-10-127-844A-375	Sequence 375, App
111	1679	100.0	1679	1	US-10-128-687A-375	Sequence 375, App
112	1679	100.0	1679	1	US-10-128-688A-375	Sequence 375, App
113	1679	100.0	1679	1	US-10-128-689A-375	Sequence 375, App
114	1679	100.0	1679	1	US-10-128-694A-375	Sequence 375, App
115	1679	100.0	1679	1	US-10-131-825A-375	Sequence 375, App
116	1679	100.0	1679	1	US-10-131-825A-375	Sequence 375, App
117	1679	100.0	1679	1	US-10-230-417-375	Sequence 375, App
118	1679	100.0	1679	1	US-10-219-003-375	Sequence 375, App
119	1679	100.0	1679	1	US-10-219-075-125	Sequence 125, App
120	1679	100.0	1679	1	US-10-219-464-125	Sequence 125, App
121	1679	100.0	1679	1	US-10-219-466-125	Sequence 125, App
122	1679	100.0	1679	1	US-10-219-479-125	Sequence 125, App
123	1679	100.0	1679	1	US-10-219-481-125	Sequence 125, App
124	1679	100.0	1679	1	US-10-230-260-125	Sequence 125, App
125	1679	100.0	1679	1	US-10-232-231-125	Sequence 125, App
126	1679	100.0	1679	1	US-10-232-233-125	Sequence 125, App
127	1679	100.0	1679	1	US-10-131-815A-375	Sequence 375, App
128	1679	100.0	1679	1	US-10-131-817A-375	Sequence 375, App
129	1679	100.0	1679	1	US-10-131-821A-375	Sequence 375, App
130	1679	100.0	1679	1	US-10-131-822A-375	Sequence 375, App
131	1679	100.0	1679	1	US-10-131-828A-375	Sequence 375, App
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134	1679	100.0	1679	1	US-10-137-869A-375	Sequence 375, App
135	1679	100.0	1679	1	US-10-147-523-375	Sequence 375, App
136	1679	100.0	1679	1	US-10-158-785-375	Sequence 375, App
137	1679	100.0	1679	1	US-10-121-051-375	Sequence 375, App
138	1679	100.0	1679	1	US-10-165-165-375	Sequence 375, App
139	1679	100.0	1679	1	US-10-219-468-125	Sequence 125, App
140	1679	100.0	1679	1	US-10-227-881-125	Sequence 125, App
141	1679	100.0	1679	1	US-10-121-536-375	Sequence 375, App
142	1679	100.0	1679	1	US-10-219-478-125	Sequence 125, App
143	1679	100.0	1679	1	US-10-121-042-375	Sequence 375, App
144	1679	100.0	1679	1	US-10-219-072-125	Sequence 125, App
145	1679	100.0	1679	1	US-10-219-470-125	Sequence 125, App
146	1679	100.0	1679	1	US-10-219-474-125	Sequence 125, App
147	1679	100.0	1679	1	US-10-219-524-125	Sequence 125, App
148	1679	100.0	1679	1	US-10-219-528-125	Sequence 125, App
149	1679	100.0	1679	1	US-10-227-880-125	Sequence 125, App
150	1679	100.0	1679	1	US-10-227-881-125	Sequence 125, App
151	1679	100.0	1679	1	US-10-227-882-125	Sequence 125, App
152	1679	100.0	1679	1	US-10-230-205-125	Sequence 125, App
153	1679	100.0	1679	1	US-10-232-223-125	Sequence 125, App
154	1679	100.0	1679	1	US-10-232-225-125	Sequence 125, App
155	1679	100.0	1679	1	US-10-232-227-125	Sequence 125, App
156	1679	100.0	1679	1	US-10-216-162-125	Sequence 125, App
157	1679	100.0	1679	1	US-10-227-881-125	Sequence 125, App
158	1679	100.0	1679	1	US-10-232-229-125	Sequence 125, App
159	1679	100.0	1679	1	US-10-123-912-375	Sequence 55, Appl
160	1679	100.0	1679	1	US-10-216-160-125	Sequence 125, App
161	1679	100.0	1679	1	US-10-223-085-55	Sequence 125, App
162	1679	100.0	1679	1	US-10-216-162-125	Sequence 125, App
163	1679	100.0	1679	1	US-10-216-164-125	Sequence 125, App
164	1679	100.0	1679	1	US-10-216-167-125	Sequence 125, App
165	1679	100.0	1679	1	US-10-216-168-125	Sequence 125, App
166	1679	100.0	1679	1	US-10-219-065-125	Sequence 125, App
167	1679	100.0	1679	1	US-10-219-071-125	Sequence 125, App
168	1679	100.0	1679	1	US-10-219-074-125	Sequence 125, App
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170	1679	100.0	1679	1	US-10-219-465-125	Sequence 125, App
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174	1679	100.0	1679	1	US-10-219-473-125	Sequence 125, App
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176	1679	100.0	1679	1	US-10-219-482-125	Sequence 125, App
177	1679	100.0	1679	1	US-10-227-874-125	Sequence 125, App
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180	1679	100.0	1679	1	US-10-229-974-125	Sequence 125, App
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182	1679	100.0	1679	1	US-10-230-113-125	Sequence 125, App
183	1679	100.0	1679	1	US-10-230-181-125	Sequence 125, App
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185	1679	100.0	1679	1	US-10-230-306-125	Sequence 125, App
186	1679	100.0	1679	1	US-10-230-426-125	Sequence 375, App
187	1679	100.0	1679	1	US-10-230-427-125	Sequence 125, App
188	1679	100.0	1679	1	US-10-230-433-125	Sequence 125, App
189	1679	100.0	1679	1	US-10-230-438-125	Sequence 125, App
190	1679	100.0	1679	1	US-10-232-222-125	Sequence 125, App
191	1679	100.0	1679	1	US-10-232-090-55	Sequence 55, Appl
192	1679	100.0	1679	1	US-10-166-708A-522	Sequence 522, App
193	1679	100.0	1679	1	US-10-166-707A-522	Sequence 125, App
194	1679	100.0	1679	1	US-10-192-007-375	Sequence 375, App
195	1679	100.0	1679	1	US-10-194-359-375	Sequence 375, App
196	1679	100.0	1679	1	US-10-226-739-103	Sequence 103, App
197	1679	100.0	1679	1	US-10-219-477-125	Sequence 125, App
198	1679	100.0	1679	1	US-10-219-527-125	Sequence 125, App
199	1679	100.0	1679	1	US-10-226-084-55	Sequence 55, Appl
200	1679	100.0	1679	1	US-10-227-877-125	Sequence 125, App
201	1679	100.0	1679	1	US-10-223-087-125	Sequence 125, App
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203	1679	100.0	1679	1	US-10-223-087-55	Sequence 55, Appl
204	1679	100.0	1679	1	US-10-127-847A-375	Sequence 375, Appl
205	1679	100.0	1679	1	US-10-223-083-55	Sequence 55, Appl
206	1679	100.0	1679	1	US-10-216-160-125	Sequence 125, App
207	1679	100.0	1679	1	US-10-218-612-125	Sequence 375, App
208	1679	100.0	1679	1	US-10-218-590-375	Sequence 375, App
209	1679	100.0	1679	1	US-10-223-089-55	Sequence 55, Appl
210	1679	100.0	1679	1	US-10-137-866-375	Sequence 375, App
211	1679	100.0	1679	1	US-10-146-726-375	Sequence 375, App
212	1679	100.0	1679	1	US-10-142-433-375	Sequence 375, App
213	1679	100.0	1679	1	US-10-142-421-375	Sequence 375, App
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215	1679	100.0	1679	1	US-10-153-934-375	Sequence 375, App
216	1679	100.0	1679	1	US-10-152-380-375	Sequence 375, App
217	1679	100.0	1679	1	US-10-146-788-375	Sequence 375, App
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221	1679	100.0	1679	1	US-10-141-704-375	Sequence 375, App
222	1679	100.0	1679	1	US-10-142-421-375	Sequence 375, App
223	1679	100.0	1679	1	US-10-142-433-375	Sequence 375, App
224	1679	100.0	1679	1	US-10-146-767-375	Sequence 375, App
225	1679	100.0	1679	1	US-10-145-823-375	Sequence 375, App
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229	1679	100.0	1679	1	US-10-145-746-375	Sequence 375, App
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236	1679	100.0	1679	1	US-10-146-795-375	Sequence 375, App
237	1679	100.0	1679	1	US-10-153-397-375	Sequence 375, App
238	1679	100.0	1679	1	US-10-147-495-375	Sequence 375, App
239	1679	100.0	1679	1	US-10-147-501-375	Sequence 375, App
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241	1679	100.0	1679	1	US-10-147-506-375	Sequence 375, App
242	1679	100.0	1679	1	US-10-147-509-375	Sequence 375, App
243	1679	100.0	1679	1	US-10-147-510-375	Sequence 375, App
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245	1679	100.0	1679	1	US-10-147-529-375	Sequence 375, App
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247	1679	100.0	1679	1	US-10-153-586-375	Sequence 375, App
248	1679	100.0	1679	1	US-10-158-786-375	Sequence 375, App
249	1679	100.0	1679	1	US-10-031A-522	Sequence 522, App
250	1679	100.0	1679	1	US-10-137-870-375	Sequence 375, App
251	1679	100.0	1679	1	US-10-140-018-375	Sequence 375, App
252	1679	100.0	1679	1	US-10-140-021-375	Sequence 375, App

No.		%			Application Number	Description
551	1643.4	97.9	2012	1	US-09-966-545-5	Sequence 5, Appli
552	1643.4	97.9	2012	1	US-09-965-212-5	Sequence 375, App
553	1643.4	97.9	1679	1	US-10-189-940-5	Sequence 5, Appli
554	1601.4	95.4	1603	1	US-09-965-546-3	Sequence 3, Appli
555	1601.4	95.4	1603	1	US-09-966-545-3	Sequence 375, App
556	1601.4	95.4	1603	1	US-09-965-212-3	Sequence 3, Appli
557	1601.4	95.4	1603	1	US-09-965-940-3	Sequence 3, Appli
558	1457	86.8	1678	1	US-10-098-841-72	Sequence 72, Appl
559	1457	86.8	1603	1	US-10-161-572-16	Sequence 16, Appl
560	1442.8	85.9	1839	1	US-10-295-027-455	Sequence 455, Appl
561	1434.7	85.4	2129	1	US-10-300-133-2	Sequence 2, Appli
562	1032	61.5	1032	1	US-10-657-103-1	Sequence 1, Appl

No.		%			Application Number	Description
253	1679	100.0	1679	1	US-10-140-471-375	Sequence 375, App
254	1679	100.0	1679	1	US-10-140-922-375	Sequence 375, App
255	1679	100.0	1679	1	US-10-145-631-375	Sequence 375, App
256	1679	100.0	1679	1	US-10-145-633-375	Sequence 375, App
257	1679	100.0	1679	1	US-10-158-783-375	Sequence 375, App
258	1679	100.0	1679	1	US-10-140-274-375	Sequence 375, App
259	1679	100.0	1679	1	US-10-143-030A-522	Sequence 522, App
260	1679	100.0	1679	1	US-10-000-967A-522	Sequence 522, App
261	1679	100.0	1679	1	US-10-017-083A-522	Sequence 522, App
262	1679	100.0	1679	1	US-10-140-019-375	Sequence 375, App
263	1679	100.0	1679	1	US-10-140-022-375	Sequence 375, App
264	1679	100.0	1679	1	US-10-140-861-375	Sequence 375, App
265	1679	100.0	1679	1	US-10-140-862-375	Sequence 375, App
266	1679	100.0	1679	1	US-10-141-697-375	Sequence 375, App
267	1679	100.0	1679	1	US-10-141-700-375	Sequence 375, App
268	1679	100.0	1679	1	US-10-142-427-375	Sequence 375, App
269	1679	100.0	1679	1	US-10-141-705-375	Sequence 375, App
270	1679	100.0	1679	1	US-10-141-753-375	Sequence 375, App
271	1679	100.0	1679	1	US-10-141-758-375	Sequence 375, App
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273	1679	100.0	1679	1	US-10-142-420-375	Sequence 375, App
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277	1679	100.0	1679	1	US-10-152-53-375	Sequence 375, App
278	1679	100.0	1679	1	US-10-216-163-125	Sequence 125, App
279	1679	100.0	1679	1	US-10-127-840A-375	Sequence 375, App
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292	1679	100.0	1679	1	US-10-145-091-375	Sequence 375, App
293	1679	100.0	1679	1	US-10-145-128A-522	Sequence 522, App
294	1679	100.0	1679	1	US-10-145-630-375	Sequence 375, App
295	1679	100.0	1679	1	US-10-145-629-375	Sequence 375, App
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302	1679	100.0	1679	1	US-10-145-872-375	Sequence 375, App
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306	1679	100.0	1679	1	US-10-147-503-375	Sequence 375, App
307	1679	100.0	1679	1	US-10-147-522-375	Sequence 375, App
308	1679	100.0	1679	1	US-10-147-522-375	Sequence 375, App
309	1679	100.0	1679	1	US-10-152-401-375	Sequence 375, App
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311	1679	100.0	1679	1	US-10-158-792-375	Sequence 375, App
312	1679	100.0	1679	1	US-10-158-462-375	Sequence 522, App
313	1679	100.0	1679	1	US-10-143-035-375	Sequence 375, App

No.		%			Application Number	Description
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328	1679	100.0	1679	1	US-10-147-487-375	Sequence 375, App
329	1679	100.0	1679	1	US-10-147-490-375	Sequence 375, App
330	1679	100.0	1679	1	US-10-147-494-375	Sequence 375, App
331	1679	100.0	1679	1	US-10-147-498-375	Sequence 375, App
332	1679	100.0	1679	1	US-10-147-514-375	Sequence 375, App
333	1679	100.0	1679	1	US-10-147-524-375	Sequence 375, App
334	1679	100.0	1679	1	US-10-152-379-375	Sequence 375, App
335	1679	100.0	1679	1	US-10-152-394-375	Sequence 375, App
336	1679	100.0	1679	1	US-10-152-406-375	Sequence 375, App
337	1679	100.0	1679	1	US-10-156-778-375	Sequence 375, App
338	1679	100.0	1679	1	US-10-157-799-375	Sequence 375, App
339	1679	100.0	1679	1	US-10-157-778-375	Sequence 375, App
340	1679	100.0	1679	1	US-10-160-504-375	Sequence 103, App
341	1679	100.0	1679	1	US-10-017-191A-522	Sequence 522, App
342	1679	100.0	1679	1	US-10-066-198-103	Sequence 375, App
343	1679	100.0	1679	1	US-10-145-634-375	Sequence 375, App
344	1679	100.0	1679	1	US-10-147-520-375	Sequence 375, App
345	1679	100.0	1679	1	US-10-157-781-375	Sequence 375, App
346	1679	100.0	1679	1	US-10-176-988-375	Sequence 375, App
347	1679	100.0	1679	1	US-10-147-491-375	Sequence 375, App
348	1679	100.0	1679	1	US-10-152-378-375	Sequence 375, App
349	1679	100.0	1679	1	US-10-152-382-375	Sequence 375, App
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353	1679	100.0	1679	1	US-10-152-389-375	Sequence 375, App
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357	1679	100.0	1679	1	US-10-153-756-375	Sequence 375, App
358	1679	100.0	1679	1	US-10-157-784-375	Sequence 375, App
359	1679	100.0	1679	1	US-10-157-797-375	Sequence 375, App
360	1679	100.0	1679	1	US-10-158-491-375	Sequence 375, App
361	1679	100.0	1679	1	US-10-143-028A-522	Sequence 522, App
362	1679	100.0	1679	1	US-10-143-029A-522	Sequence 522, App
363	1679	100.0	1679	1	US-10-066-203-103	Sequence 103, App
364	1679	100.0	1679	1	US-10-142-762-375	Sequence 375, App
365	1679	100.0	1679	1	US-10-142-764-375	Sequence 375, App
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367	1679	100.0	1679	1	US-10-145-089A-522	Sequence 522, App
368	1679	100.0	1679	1	US-10-145-625-375	Sequence 375, App
369	1679	100.0	1679	1	US-10-145-627-375	Sequence 375, App
370	1679	100.0	1679	1	US-10-145-960-375	Sequence 375, App
371	1679	100.0	1679	1	US-10-145-962-375	Sequence 375, App
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373	1679	100.0	1679	1	US-10-147-483-375	Sequence 375, App
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379	1679	100.0	1679	1	US-10-139-980-375	Sequence 375, App
380	1679	100.0	1679	1	US-10-165-017A-522	Sequence 375, App
381	1679	100.0	1679	1	US-10-145-750-375	Sequence 375, App
382	1679	100.0	1679	1	US-10-164-728A-522	Sequence 522, App
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384	1679	100.0	1679	1	US-10-218-765-125	Sequence 522, App
385	1679	100.0	1679	1	US-10-219-262-125	Sequence 125, App

406	1679	100.0	1679	1	US-10-160-502A-522
407	1679	100.0	1679	1	US-10-121-044-375
408	1679	100.0	1679	1	US-10-121-055-375
409	1679	100.0	1679	1	US-10-121-057-375
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414	1679	100.0	1679	1	US-10-123-154-375
415	1679	100.0	1679	1	US-10-123-157-375
416	1679	100.0	1679	1	US-10-123-906-375
417	1679	100.0	1679	1	US-10-124-814-375
418	1679	100.0	1679	1	US-10-124-816-375

PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
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PRIOR FILING DATE: 1998-04-22
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PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
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PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-05-06
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PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338

479	1679	100.0	1679	1	US-10-140-473-375	Sequence 375, App
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481	1679	100.0	1679	1	US-10-140-810-375	Sequence 375, App
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483	1679	100.0	1679	1	US-10-141-699-375	Sequence 375, App
484	1679	100.0	1679	1	US-10-141-703-375	Sequence 375, App
485	1679	100.0	1679	1	US-10-141-706-375	Sequence 375, App
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487	1679	100.0	1679	1	US-10-141-762-375	Sequence 375, App
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490	1679	100.0	1679	1	US-10-142-884-375	Sequence 375, App
491	1679	100.0	1679	1	US-10-143-027-375	Sequence 375, App

PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match 100.0%; Score 1679; DB 1; Length 1679;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1679; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    1 GTTGTGTCCTTCAGCAAAAACAGTGGATTTTAAATCTCCTTGCACAAGCTTGAGAGCAACAC   60
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Qy   61 AATCTATCACGGAAAGAAAGAGAAAAAACCGAACCCTGACAAAAAGGAGGAGAAGAAGAAG  120
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Qy  121 AAGAAAAAAAATCATGAAAACCATCCAGCACAAAAATGCACAATTCTATCTTCTTGGGCAAT  180
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Qy  181 CTTCACGGGGCGTGGCTGCTCTGTTGTCTCTTCCAAGGAGTAGGCCCCGTGCGCAGATGC  240
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Db  181 CTTCACGGGGCGTGGCTGCTCTGTTGTCTCTTCCAAGGAGTAGGCCCCGTGCGCAGATGC  240

Qy  241 CACCTTCCCAAAGCTATGGACAACGTGACGGGTCCGGCCAGGGGGAGGGGGCCACCCTCAG  300
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Db  241 CACCTTCCCAAAGCTATGGACAACGTGACGGGTCCGGCCAGGGGGAGGGGGCCACCCTCAG  300

Qy  301 GTGGACTATTGACAAACCGGGGTCACCCGGGTGGCGTAAACCGCACGCACAATCCTCTA  360
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Db  301 GTGCACTATTGACAACACGGGGTCACCCGGGTGGCGTAAACCGCACGCACAATCCTCTA  360

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Qy  421 GCAGTACGCATCCAGAATCCGAGAGTGTCATGATGGCGCCCTTACACCTGCTC  480
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Qy  481 GGTGCAGACAGACAACCACCCAAAGAACCTCTACGGGTCCACCTCATTGTGCAAGTATCTCC  540
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Qy  541 CAAAAATTGTAGAGAATTTCTTCAGATATCTCCATTAATGAAAGGAACAATATTAGCCTCAC  600
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Db  541 CAAAAATTGTAGAGAATTTCTTCAGATATCTCCATTAATGAAAGGAACAATATTAGCCTCAC  600

Qy  601 CTGCATAGCAACTGGTAGACCAGAGCCTACGGTTACTTGGAGAGACACATCTCCCAAAGC  660
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Db  601 CTCGATAGCAACTGGTAGACCAGAGCCTACGGTTACTTGGAGAGACACATCTCCCAAAGC  660

Qy  661 GGTTGGCTTTGTGAGTGAAGAGACCGAAATTCAGAGGCCATCACCCGGGTACCGGAGCAGTC  720
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Db  661 GGTTGGCTTTGTGAGTGAAGAGACCGAAATTCAGAGGCCATCACCCGGGTACCGGAGCAGTC  720

Qy  721 AGGGGACTACGAGTGCAGTGCCTCCAATGACGTGGCGCGGCGCCCGTTGGTACGGAGACTAAA  780
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RESULT 547
US-10-147-536-375
Sequence 375, Application US/10147536
Publication No. US2004077064A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Beresini, Maureen
APPLICANT: DeForge, Laura
APPLICANT: Desnoyers, Luc
APPLICANT: Filvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Sherwood, Steven
APPLICANT: Smith, Victoria
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K
APPLICANT: Wood, William
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3330R1C349
CURRENT APPLICATION NUMBER: US/10/147,536
CURRENT FILING DATE: 2002-05-17
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 550
SEQ ID NO 375
LENGTH: 1679

; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-147-536-375

Query Match   100.0%;   Score 1679;   DB 1;   Length 1679;
Best Local Similarity   100.0%;   Pred. No. 0;
Matches 1679;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

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Qy     61 AATCTTATCAGGAAAGAGAAAAGAAACAGAAAAAAAAAAAAACCGAACCTGACAAAAAAGAAGAAGAAGAG 120
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Qy    121 AAGAAAAAAAAATCATGAAAAACCATCCAGCCAAAAATGCACAATTCTATCTCTTGGGCAAT 180
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Db    121 AAGAAAAAAAAATCATGAAAAACCATCCAGCCAAAAATGCACAATTCTATCTCTTGGGCAAT 180

Qy    181 CTTCACGGGGCTGGCTCGTCTGTGTCTTCTTCCAAGGAGTGCCCGTGCGGCGGGAGGATGC 240
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Qy    241 CACCTGCAAAGCTATGGACAAACGTGACGGTCGCGGCGGGAGGAGCGGGAGATGC 300
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Qy    301 GTGCACTATTGACAAACCGGGTCACCCGGGGTGGCTGGTCAAAACCGGCAGCACCATCCTTA 360
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Db    301 GTGCACTATTGACAAACCGGGTCACCCGGGGTGGCTGGTCAAAACCGGCAGCACCATCCTTA 360

Qy    361 TGCTGGGGAATGACAAAGTGGTCGCTTGGATCCTCGGGGTGGTCCTTCTGAGCAACACCCAAAAC 420
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 TGCTGGGGAATGACAAAGTGGTCGCTTGGATCCTCGGGGTGGTCCTTCTGAGCAACACCCAAAAC 420

Qy    421 GCAGTACAGCATCGAGATCCAGAACGTGGATGTGTATGGACGGCCCTTACCACCTGCTC 480
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 GCAGTACAGCATCGAGATCCAGAACGTGGATGTGTATGGACGGCCCTTACCACCTGCTC 480

Qy    481 GGTGCAGACAGACAACCACCCAAAGAACCTTCTAGGGTCCACCTCATTGTGCCAAGTATCTCC 540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 GGTGCAGACAGACAACCACCCAAAGAACCTTCTAGGGTCCACCTCATTGTGCCAAGTATCTCAC 540

Qy    541 CAAAAATTGTAGAGATTTCTTCAGATATCTCCATTAAATGAAGGGAACAAATATTAGCCTCAC 600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    541 CAAAAATTGTAGAGATTTCTTCAGATATCTCCATTAAATGAAGGGAACAAATATTAGCCTCAC 600

Qy    601 CTGCAATAGCAACTGGTAGACCAGAGGCCTTACGGTTATTCTTGGAGACACATCTTCCCAAAGC 660
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 CTGCAATAGCAACTGGTAGACCAGAGGCCTTACGGTTATTCTTGGAGACACATCTTCCCAAAGC 660

Qy    661 GGTTCGGCTTTGTGAGTGAAGACGAATACTTGGAAATTCAGGGCATCACCCGGGGAGCAGTC 720
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    661 GGTTCGGCTTTGTGAGTGAAGACGAATACTTGGAAATTCAGGGCATCACCCGGGGAGCAGTC 720

Qy    721 AGGGGACTACGAGTGCAGTGCCTCCAAATGACGTGGCCGCGCCCGTGGGTACGGGAGAGTAAA 780
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    721 AGGGGACTACGAGTGCAGTGCCTCCAAATGACGTGGCCGCGCCCGTGGGTACGGGAGAGTAAA 780

Qy    781 GGTCACCGTGAACTATCCACCATACACATTTCAGGAGGTACAGGTGTCCCGTGGG 840
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    781 GGTCACCGTGAACTATCCACCATACACATTTCAGGAGGTACAGGTGTCCCGTGGG 840

Qy    841 ACAAAAGGGACACTGCAGTGTGAAGCCTCAGCAGAATTCCAGTGGTA 900
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    841 ACAAAAGGGACACTGCAGTGTGAAGCCTCAGCAGAATTCCAGTGGTA 900

Qy    901 CAAGGATGACAAAAAGACTGATTGAAGGAAAAAGGGGTGAAAGTGGAAAACAGACCTTT 960
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    901 CAAGGATGACAAAAAGACTGATTGAAGGAAAAAGGGGTGAAAGTGGAAAACAGACCTTT 960

Qy    961 CCTCTCAAAACTCATCTTCTTCAATGTCTCTCTGAACATGGGAACTACACTTGCGT 1020

Db   1081 CAGCGCAGGTGAGCAACGGCACGTCCAGAGGAGGAGGCAGGCTCGGTCTGTCTGGCTCGTCCT 1140
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1081 CAGCGCAGGTGAGCAACGGCACGTCCAGAGGAGGAGGCAGGCTCGGTCTGTCTGGCTCTTCT 1140

Db   1141 GGTCTTGCACCTGCTTCTCAAATTTTGATGTGAGTGACTTCCCACCCCGGGAAAGGCT 1200
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1141 GGTCTTGCACCTGCTTCTCAAATTTTGATGTGAGTGACTTCCCACCCCGGGAAAGGCT 1200

Db   1201 GCCGCGCCACCACCACCACCAACACCAACCAACCAATCAGATA 1260
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1201 GCCGCGCCACCACCACCACCAACACCAACCAACCAATCAGATA 1260

Db   1261 TATACAAAATGAAATTAGAAGAAACACAGCCTCATGGGACAGAAATTTGAGGGAGGGGAAC 1320
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1261 TATACAAAATGAAATTAGAAGAAACACAGCCTCATGGGACAGAAATTTGAGGGAGGGGAAC 1320

Db   1321 AAAGAAATACTTTGGGGGGAAAAGAGTTTTAAAAAAGAAATTGAAAAATTGCCTTGCAGATA 1380
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1321 AAAGAAATACTTTGGGGGGAAAAGAGTTTTAAAAAAGAAATTGAAAAATTGCCTTGCAGATA 1380

Db   1381 TTTAGGTACAATGGGAGTTTTCTTTTCCCAAACGGGAAGAACACAGCACCCGGCTTGGA 1440
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1381 TTTAGGTACAATGGGAGTTTTCTTTTCCCAAACGGGAAGAACACAGCACCCGGCTTGGA 1440

Db   1441 CCCACTGCAAGCTGCATCGTGCCAACCTCTTTGGTGCCAGTGTGGGCCAAGGGCTCAGCCTC 1500
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1441 CCCACTGCAAGCTGCATCGTGCCAACCTCTTTGGTGCCAGTGTGGGCCAAGGGCTCAGCCTC 1500

Db   1501 TCTGCCCACAGAGTGCCCCCACGTGGAAACATTCTGGAGCTGGCCATCCAAATTCAATCA 1560
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1501 TCTGCCCACAGAGTGCCCCCACGTGGAAACATTCTGGAGCTGGCCATCCAAATTCAATCA 1560

Db   1561 GTCCATAGAGACGAACAGAATGAGACCTTCCGGCCCCAAGCGGTGGGGCTGCGGGGCACTTTG 1620
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1561 GTCCATAGAGACGAACAGAATGAGACCTTCCGGCCCCAAGCGGTGGGGCTGCGGGGCACTTTG 1620

Db   1621 GTAGACTGTGCCACACGGCCGTGTGTTGTTGTGAAACGTGAAATAAAAAGAGCAAAAAAAA 1679
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   1621 GTAGACTGTGCCACACGGCCGTGTGTTGTTGTGAAACGTGAAATAAAAAGAGCAAAAAAAA 1679
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;  ORGANISM: Homo Sapien
US-10-119-480-125

Query Match      100.0%;  Score 1679;  DB 1;  Length 1679;
Best Local Similarity  100.0%;  Pred. No. 0;  Indels 0;
Matches 1679;  Conservative 0;  Mismatches 0;  Gaps 0;
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RESULT 548
US-10-119-480-125
Sequence 125, Application US/10119480
Publication No. US20040087769A1
GENERAL INFORMATION:
APPLICANT:  Desnoyers, Luc Gerritsen, Mary
APPLICANT:  Baker, Kevin P.
APPLICANT:  Goddard, Audrey
APPLICANT:  Godowski, Paul J.
APPLICANT:  Grimaldi, J. Christopher
APPLICANT:  Gurney, Austin L.
APPLICANT:  Smith, Victoria
APPLICANT:  Stephan, Jean-Philippe P.
APPLICANT:  Watanabe, Colin L.
APPLICANT:  Wood, William I.
TITLE OF INVENTION:  SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION:  ACIDS ENCODING THE SAME
FILE REFERENCE:  P3530P1C1
CURRENT APPLICATION NUMBER:  US/10/119,480
CURRENT FILING DATE:  2002-04-09
NUMBER OF SEQ ID NOS:  246
    Prior Application removed - See File Wrapper or Palm
SEQ ID NO 125
    LENGTH: 1679
    TYPE: DNA
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(DNA sequence alignment data — Query/Db rows, positions 1–1679)

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RESULT 549
US-10-657-103-2
Sequence 2, Application US/10657103
Publication No. US20040038285A1
GENERAL INFORMATION:
  APPLICANT: Ono Pharmaceutical Co., Ltd.
  TITLE OF INVENTION: No. US20040038285A1e1 Polypeptides, cDNA encoding the same, and u
  FILE REFERENCE: Q61459
  CURRENT APPLICATION NUMBER: US/10/657,103
  CURRENT FILING DATE: 2003-09-09
  PRIOR APPLICATION NUMBER: US/09/700,397
  PRIOR FILING DATE: 2001-01-05
  PRIOR APPLICATION NUMBER: JP 10-131815
  PRIOR FILING DATE: 1998-05-14
  PRIOR APPLICATION NUMBER: PCT/JP99/02485
  PRIOR FILING DATE: 1999-05-13
  NUMBER OF SEQ ID NOS: 19
  SOFTWARE: Patentin version 3.0
SEQ ID NO 2
  LENGTH: 1693
  TYPE: DNA
  ORGANISM: Homo sapiens
  FEATURE:
  NAME/KEY: misc feature
  OTHER INFORMATION: Clone OC001 derived from human brain
  FEATURE:
  NAME/KEY: mat_peptide
  LOCATION: (214)..()
US-10-657-103-2
  FEATURE:
  NAME/KEY: sig_peptide
  LOCATION: (130)..(213)
  FEATURE:
  NAME/KEY: CDS
  LOCATION: (130)..(1161)

Query Match        99.0%;    Score 1661.9;    DB 1;    Length 1693;
Best Local Similarity   99.9%;    Pred. No./: 0;    Mismatches 0;
Matches 1673;    Conservative  0;    Mismatches 0;    Indels 1;    Gaps 1;
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Qy      6 GTCCTTCAGCAAAACAGTGGATTTTAAAATCTCCTTGCACAACAAATCT 65
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 GTCCTTCAGCAAAACAGTGGATTTTAAAATCTCCTTGCACAACAAATCT 60
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(sequence alignment continues)

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; GENERAL INFORMATION:
;   APPLICANT: Fernandes, Elma
;   APPLICANT: Vernet, Corine
;   APPLICANT: Shimkets, Richard A.
;   TITLE OF INVENTION: No. US20020168716A1e1 Human Proteins and Polynucleotides Encoding
;   TITLE OF INVENTION: Them
;   FILE REFERENCE: Cura-46 (15966-546)
;   CURRENT APPLICATION NUMBER: US/09/966,546
;   CURRENT FILING DATE: 2001-09-26
;   PRIOR APPLICATION NUMBER: 09/544,511
;   PRIOR FILING DATE: 2000-04-06
;   NUMBER OF SEQ ID NOS: 57
;   SOFTWARE: Patentin Ver. 2.0
;
; SEQ ID NO 5
;   LENGTH: 2012
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (501)..(1532)

US-09-966-546-5

RESULT 550
US-09-966-546-5
Sequence 5, Application US/09966546
Patent No. US20020168716A1
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Query Match       97.9%;   Score 1643.4;   DB 1;   Length 2012;
Best Local Similarity   99.9%;   Pred. No.: 0;
Matches 1644;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;
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Qy    1 GTTGTGTCCTTCAGCAAAAACAGTGGATTTAAATCTCCTTGCACAAGCTTGAGGCAACAC 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  368 GTTGTGTCCTTCAGCAAAAACAGTGGATTTAAATCTCCTTGCACAAGCTTGAGGCAACAC 427

Qy   61 AATCTTATCAGGAAAGAAAAGAAAAAAACCGAACCTGACAAAAAAAGAAGAAAAAGAAG 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  428 AATCTTATCAGGAAAGAAAAGAAAAAAACCGAACCTGACAAAAAAAGAAGAAAAAGAAG 487

Qy  121 AAGAAAAAAAAATCATGAAAAACCATCCAGCCAAAAATGCAAATTCTATCTCTTGGGCAAT 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  488 AAGAAAAAAAAATCATGAAAAACCATCCAGCCAAAAATGCAAATTCTATCTCTTGGGCAAT 547

Qy  181 CTTCACGGGGCTGGCTGCCTGTGTCTTCCTGGAGGAGTGCCCGGTGCCGCCGGAGATGC 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  548 CTTCACGGGGCTGGCTGCCTGTGTCTTCCTGGAGGAGTGCCCGGTGCCGCCGGAGATGC 607

Qy  241 CACCTTCCCCAAAAGCTATGGACAACGTGACGGTCCGGCAGGGGGAGAGGGCCCACCTCAG 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  608 CACCTTCCCCAAAAGCTATGGACAACGTGACGGTCCGGCAGGGGGAGAGGGCCCACCTCAG 667

Qy  301 GTGCACTATTGACAACCGGGTCACCCGGGGTGGCCTGGCCAGCACCGACCATCCTCTA 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  668 GTGCACTATTGACAACCGGGTCACCCGGGGTGGCCTGGCCAGCACCGACCATCCTCTA 727

Qy  361 TGCTGGGAATGACAAGTGGGTGGTCCTGGAATCCCGCGGGGGTCCTTGCTTGGAGGATGC 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  728 TGCTGGGAATGACAAGTGGGTGGTCCTGGAATCCCGCGGGGGTCCTTGCTTGGAGGATGC 787

Qy  421 GCAGTACAGCATCGAGATCCAGAACGTGGATGTGTATGACGAGGGCCCTTACACCTGCTC 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  788 GCAGTACAGCATCGAGATCCAGAACGTGGATGTGTATGACGAGGGCCCTTACACCTGCTC 847

Qy  481 GGTGCAGACAGACAACCCAAAGACACTTCTAGGGTGCCACCTCATTGTGCAAAGTATCTCC 540
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Db  848 GGTGCAGACAGACAACCCAAAGACACTTCTAGGGTGCCACCTCATTGTGCAAAGTATCTCC 907

Qy  541 CAAAATTGTAGAGATTTCTTCAGATATCTCCATTAATGAAGGGAACAATATTAGCCTCAC 600
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  908 CAAAATTGTAGAGATTTCTTCAGATATCTCCATTAATGAAGGGAACAATATTAGCCTCAC 967

Qy  601 CTGCAATAGCAACTGGTAGACCAGAGACCTACGGTTTACTTGGAGACACATCCTCCCAAAGC 660
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  968 CTGCAATAGCAACTGGTAGACCAGAGACCTACGGTTTACTTGGAGACACATCCTCCCAAAGC 1027

Qy  661 GGGTCGGCTTTGTGAGTGAAGCAGGAATACTTGGAAATTCAGGGCATCACCCGGGGAGCAGTC 720
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1028 GGGTCGGCTTTGTGAGTGAAGCAGGAATACTTGGAAATTCAGGGCATCACCCGGGGAGCAGTC 1087

Qy  721 AGGGGACTACGAGTGCAGTGCCTCCAATGACGTGGCCGCCGCCCGTGGGTACGGAGAGTAAA 780
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1088 AGGGGACTACGAGTGCAGTGCCTCCAATGACGTGGCCGCCGCCCGTGGGTACGGAGAGTAAA 1147

Qy  781 GGTCACCGTGAACTATCCACCATACATTTCAGAAGCCCAAGGGGTACAGGTGTCCCGGTGGG 840
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1148 GGTCACCGTGAACTATCCACCATACATTTCAGAAGCCCAAGGGGTACAGGTGTCCCGGTGGG 1207

Qy  841 ACAAAAGGGGACACTGCAGTGCTGAAGCCTCAGCAGTCCCCCTCAGCGAGAATTCCAGTGGTA 900
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1208 ACAAAAGGGGACACTGCAGTGCTGAAGCCTCAGCAGTCCCCCTCAGCGAGAATTCCAGTGGTA 1267

Qy  901 CAAGGAATGACAAAAGACTGATTGAAGGAAAAAGAAAAGGGGTGAAAGTGGAAAAAAACAGACCTTT 960
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1268
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Qy  905 GATGACAAAAGACTGATTGAAGGAAAAAGAAAAGGGGTGAAAGTGGAAAAAAACAGACCTTTCCTC 964
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  901 GATGACAAAAGACTGATTGAAGGAAAAAGAAAAGGGGTGAAAGTGGAAAAAAACAGACCTTTCCTC 960

Qy  965 TCAAAACTCATCTTCTTCAAATGTCTCTGAACATGGGACTACACTTGCGTGGCC 1024
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  961 TCAAAACTCATCTTCTTCAAATGTCTCTGAACATGGGACTACACTTGCGTGGCC 1020

Qy 1025 TCCAACAAGCTGGGCCACCAAATGCCAGCCAGCCAGGGTCCAGGGCGTCAGC 1084
        ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1021 TCCAACAAGCTGGGCCACCAAATGCCAGCCAGCCAGGGTCCAGGGCGTCAGC 1080

Qy 1085 GAGGTGAGCAACGGGCACGGTCGGAGGAGGGCAGGCGTCGGTCTGGCTGTGCCTTCTGCGGTC 1144
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1081 GAGGTGAGCAACGGGCACGGTCGGAGGAGGGCAGGCGTCGGTCTGGCTGTGCCTTCTGCGGTC 1140

Qy 1145 TTGCACCTGCTTCTTCAAATTTTGATGTGAGTGAGTGAGGGCCGCTGCCG 1204
        ||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1141 TTGCACCTGCTTCTTCAAATTTTGATGTGAGTGAGTGAGGGCCGCTGCCG 1200

Qy 1205 CCACCACCACCAGCAACCGGACCAACCAACCCGGGAAAGGCGTATATA 1264
        ||||||||||||||||||||||||||||||||||||||||||||||||
Db 1201 CCACCACCACCAGCAACCGGACCAACCAACCCGGGAAAGGCGTATATA 1260

Qy 1265 CAAATGAAATTAGAAGAAACACAGCCCTCATGGGACACAGAAATTTGAGGGAGGGAACACAAG 1324
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Db 1261 CAAATGAAATTAGAAGAAACACAGCCCTCATGGGACACAGAAATTTGAGGGAGGGAACACAAG 1320

Qy 1325 AATACTTTGGGGGAAAAGAGTTTAAAAAAAGAAATTGAAAATTGCCTTGCAGATATTTA 1384
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1321 AATACTTTGGGGGAAAAGAGTTTAAAAAAAGAAATTGAAAATTGCCTTGCAGATATTTA 1380

Qy 1385 GGTACAAATGGGAGTTTTCTTTCTTTCCCAAACGGGAAGAACACACACCGGGGGTTGGACCCA 1444
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1381 GGTACAAATGGGAGTTTTCTTTCTTTCCCAAACGGGAAGAACACACACCGGGGGTTGGACCCA 1440

Qy 1445 CTGCAAGCTGCATCGGTGCAACCTCTTTGGTGGTCGCCAGTGTGGGCAAGGGCTCAGCCTCTG 1504
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1441 CTGCAAGCTGCATCGGTGCAACCTCTTTGGTGGTCGCCAGTGTGGGCAAGGGCTCAGCCTCTG 1500

Qy 1505 CCCACACAGAGTGCCCCACCAGTGGAACATTCTGGAGCTGGCCATCCCAAATTCAAATCAGTCC 1564
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Db 1501 CCCACACAGAGTGCCCCACCAGTGGAACATTCTGGAGCTGGCCATCCCAAATTCAAATCAGTCC 1560

Qy 1565 ATAGAAGACGAACAGAATCAGACCTTCCGGCCCCAAGCGGTGGCGCCGCGGCCCACTTTGGTAG 1624
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1561 ATAGAAGACGAACAGAATCAGACCTTCCGGCCCCAAGCGGTGGCGCCGCGGCCCACTTTGGTAG 1620

Qy 1625 ACTGTGCCACCACGGGCGGTGTGTTGTTTGAAAATAAAAAGAGCAACAAAAAAAAA 1679
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Db 1621 ACTGTGCCACCACGGGCGGTGTGTTGTTTGAAAATAAAAAGAGCAACAAAAAAAAA 1675
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;   NAME/KEY: CDS
;   LOCATION: (501)..(1532)
US-09-966-545-5

Query Match      97.9%;   Score 1643.4;   DB 1;   Length 2012;
Best Local Similarity   99.9%;   Pred. No. 0;
Matches 1644;   Conservative 0;   Mismatches 0;   Indels 0;   Gaps 0;

Qy      1 GTTGTGTCCTTCAGCAAAAACAGTGGATTTAAATCTCCTTGCACAAGCTTGAGAGCAACAC 60
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Db    368 GTTGTGTCCTTCAGCAAAAACAGTGGATTTAAATCTCCTTGCACAAGCTTGAGAGCAACAC 427

Qy     61 AAATCTATCAGGAAAGAAAAGAAAAGAAAAACCGAACCTGACAAAAAGAAAGAAGAAAGAG 120
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    428 AAATCTATCAGGAAAGAAAAGAAAAGAAAAACCGAACCTGACAAAAAGAAAGAAGAAAGAG 487

Qy    121 AAGAAAAAAAATCATGAAAAACCATCCAGCCAAAAATGCACAATTCTATCTCTTGGGCAAT 180
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    488 AAGAAAAAAAATCATGAAAAACCATCCAGCCAAAAATGCACAATTCTATCTCTTGGGCAAT 547

Qy    181 CTTCACGGGGCGTGGCTGCTCTGTCTTCCAAGGAGTGCCCGTGCGCAGGGGGAGATGC 240
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    548 CTTCACGGGGCGTGGCTGCTCTGTCTTCCAAGGAGTGCCCGTGCGCAGGGGGAGATGC 607

Qy    241 CACCTTCCCCAAAGCTATGGACAACGTGACGGTCCGGCAGGGGGAGGAGGGCCCACCTCAG 300
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    608 CACCTTCCCCAAAGCTATGGACAACGTGACGGTCCGGCAGGGGGAGGAGGGCCCACCTCAG 667

Qy    301 GTGCAGTATTGACAACCGGGTCACCCGGTCGGTGGTCGTTCTGAGCAACAACCCAAAAC 360
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    668 GTGCAGTATTGACAACCGGGTCACCCGGTCGGTGGTCGTTCTGAGCAACAACCCAAAAC 727

Qy    361 TGCTCGGGAATGACAAAGTGGTGCCTGGATCCTCGGTCGGTTCTTGAGCACCCATCCTCTA 420
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Db    728 TGCTCGGGAATGACAAAGTGGTGCCTGGATCCTCGGTCGGTTCTTGAGCACCCATCCTCTA 787

Qy    421 GCAGTACAGCATCGAGATCCAGAACGTGGATGTGTATGACGAGGGCCCTTACACCTGCTC 480
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    788 GCAGTACAGCATCGAGATCCAGAACGTGGATGTGTATGACGAGGGCCCTTACACCTGCTC 847

Qy    481 GGTGCAGACAGACAACCACCCAAAGACCTCTAGGGTCCACTCATTGTGCAAGTATCTCC 540
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    848 GGTGCAGACAGACAACCACCCAAAGACCTCTAGGGTCCACTCATTGTGCAAGTATCTCC 907

Qy    541 CAAAATTGTAGAGATTTCTTCAGATATCTCCATTAATGAAGGGGAACAAATATTAGCCTCAC 600
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    908 CAAAATTGTAGAGATTTCTTCAGATATCTCCATTAATGAAGGGGAACAAATATTAGCCTCAC 967

Qy    601 CTGCATAGCAACTGGTTAGACCAGAGCCTACGGTTACTTGGAGAAGACAATCTCTCCAAAGC 660
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    968 CTGCATAGCAACTGGTTAGACCAGAGCCTACGGTTACTTGGAGAAGACAATCTCTCCAAAGC 1027

Qy    661 GGTTGGCTTTGTGAGTGAAGCGAACGGAATACTTGGGAAATTCAGGGAGCATCACCCGGGGAGCAGTC 720
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1028 GGTTGGCTTTGTGAGTGAAGCGAACGGAATACTTGGGAAATTCAGGGAGCATCACCCGGGGAGCAGTC 1087

Qy    721 AGGGGGACTACGAGTGCAGTGCCTCCAAATGACGTGGGCGCGCCCGTGGGTACGGAGTAAA 780
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1088 AGGGGGACTACGAGTGCAGTGCCTCCAAATGACGTGGGCGCGCCCGTGGGTACGGAGTAAA 1147

Qy    781 GGTCACCGTGAACTATCCACCATACATTTCAGAAGCCAAGGGTACAGGTGTCCCGGTGGG 840
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Db   1148 GGTCACCGTGAACTATCCACCATACATTTCAGAAGCCAAGGGTACAGGTGTCCCGGTGGG 1207

Qy    841 ACAAAAGGGACACTGCAGTGTGAACCTCAGCAGTCCCTCAGCAGAATTCCAGTGGTA 900
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Db   1208 ACAAAAGGGACACTGCAGTGTGAACCTCAGCAGTCCCTCAGCAGAATTCCAGTGGTA 1267

Qy    901 CAAGGATGACAAAAGACTGATTGAAGAGAAAAGGGGTGAAAGTGGAAAACAGACCTTT 960
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Db   1268 CAAGGATGACAAAAGACTGATTGAAGAGAAAAGGGGTGAAAGTGGAAAACAGACCTTT 1327

Qy    961 CCTCTCAAAACTCATCTTCTTCAAATGTCTTCTGAACATGACATGATGAGGAACTACACTTGCGT 1020
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Db   1988 ...
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RESULT 551
US-09-966-545-5
Sequence 5, Application US/0996545
Patent No. US200217299A1
GENERAL INFORMATION:
  APPLICANT: Fernandes, Elma
  APPLICANT: Vernet, Corine
  APPLICANT: Shimkets, Richard A.
  TITLE OF INVENTION: No. US200201729991A1e1 Human Proteins and Polynucleotides Encoding
  TITLE OF INVENTION: Them
  FILE REFERENCE: Cura-46 (15966-546)
  CURRENT APPLICATION NUMBER: US/09/966,545
  CURRENT FILING DATE: 2001-09-26
  PRIOR APPLICATION NUMBER: 09/544,511
  PRIOR FILING DATE: 2000-04-06
  NUMBER OF SEQ ID NOS: 57
  SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 5
  LENGTH: 2012
  TYPE: DNA
  ORGANISM: Homo sapiens
  FEATURE:

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Db   1268 CAAGGATGACAAAAGACTGATTGAAGAGAAAAGGGGTGAAAGTGGAAAACAGACCTTT 1327

Qy    961 CCTCTCAAAACTCATCTTCTTCAAATGTCTTCTGAACATGACATGATGAGGAACTACACTTGCGT 1020
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1328 CCTCTCAAAACTCATCTTCTTCAAATGTCTTCTGAACATGACATGATGAGGAACTACACTTGCGT 1387

Qy   1021 GGCCTTCCAACAAGCTGGGCCACACCAAATGCCACGACATCATGCTATTGGTCCAGGCGGCCGT 1080
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1388 GGCCTTCCAACAAGCTGGGCCACACCAAATGCCACGACATCATGCTATTGGTCCAGGCGGCCGT 1447

Qy   1081 CAGCGAGGTGAGCAACGGACAGCGTCGAGGAGGAGGGGCAGGCTGCGCTGCCTCTTCT 1140
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1448 CAGCGAGGTGAGCAACGGACAGCGTCGAGGAGGAGGGGCAGGCTGCGCTGCCTCTTCT 1507

Qy   1141 GGTCTTGCACCTGCTTCTCAAATTTTGATGTGAGTGCCACTTCCCCACCCGGGAAAGGCT 1200
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1508 GGTCTTGCACCTGCTTCTCAAATTTTGATGTGAGTGCCACTTCCCCACCCGGGAAAGGCT 1567

Qy   1201 GCCGCACCACCCACCACCAGCAACAATGGCAACACCGACACCCCCAATCAGATA 1260
            |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1568 GCCGCACCACCCACCACCAGCAACAATGGCAACACCGACACCCCCAATCAGATA 1627

Qy   1261 TATACAAATGAAATTAGAAGAAACACAGCCTTCCATGGGACACAGAAAAATTTGAGGGAAGGGGAAC 1320
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1628 TATACAAATGAAATTAGAAGAAACACAGCCTTCCATGGGACACAGAAAAATTTGAGGGAAGGGGAAC 1687

Qy   1321 AAAGAAATACTTTGGGGGGGAAAAGAGTTTTAAAAAAGAAAATTGAAAATTGCCTTGCAGATA 1380
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Db   1688 AAAGAAATACTTTGGGGGGGAAAAGAGTTTTAAAAAAGAAAATTGAAAATTGCCTTGCAGATA 1747

Qy   1381 TTTAGGTACAATGGAGTTTCTTTTTTCCCAAACGGGAAACACCCGGGCTTGGA 1440
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Db   1748 TTTAGGTACAATGGAGTTTCTTTTTTCCCAAACGGGAAACACCCGGGCTTGGA 1807

Qy   1441 CCCACTGCAAGCTGCATCGTCGCCAACCTCTTTGGTGTCGTCCCAGTGTGGGCAAGGGCTCAGCCTC 1500
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Db   1808 CCCACTGCAAGCTGCATCGTCGCCAACCTCTTTGGTGTCGTCCCAGTGTGGGCAAGGGCTCAGCCTC 1867

Qy   1501 TCTGCCCACAGAGTGCCCCACGTGGAACATTCTGGAGCTGACCTCGCCAGGGCCCTTACACCTGCTC 1560
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Db   1868 TCTGCCCACAGAGTGCCCCACGTGGAACATTCTGGAGCTGACCTCGCCAGGGCCCTTACACCTGCTC 1927

Qy   1561 GTCCATAGAGACGAACAGAAATGAGACAGACTTCCGGGCCCCAAGCCTGGGGCCTGGGGGCACTTTG 1620
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1928 GTCCATAGAGACGAACAGAAATGAGACCTTCCGGGCCCCAAGCCTGGGGCCTGGGGGCACTTTG 1987

Qy   1621 GTAGACTGTGCCACCACGGGCGGTGTG 1645
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Db   1988 GTAGACTGTGCCACCACGGGCGGTGTG 2012
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RESULT 552
US-09-965-212-5
Sequence 5, Application US/09965212
Publication No. US20030034621A1
GENERAL INFORMATION:
APPLICANT: Fernandes, Elma
APPLICANT: Vernet, Corine
APPLICANT: Shimkets, Richard A.
TITLE OF INVENTION:
TITLE OF INVENTION: No. US20030034621Al.el Human Proteins and Polynucleotides Encoding
TITLE OF INVENTION: Then
FILE REFERENCE: Cura-46 (15966-546)
CURRENT APPLICATION NUMBER: US/09/965,212
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: US/09/544,511
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: USSN 60/128,514
PRIOR FILING DATE: 1999-04-09
NUMBER OF SEQ ID NOS: 57
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 5
LENGTH: 2012
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS

LOCATION: (501)..(1532)
US-09-965-212-5

Query Match 97.9%;   Score 1643.4;   DB 1;   Length 2012;
Best Local Similarity 99.9%;   Pred. No. 0;   Mismatches 1;   Indels 0;   Gaps 0;
Matches 1644;   Conservative 0;   Mismatches 1;   Indels 0;   Gaps 0;

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Qy    1 GTTGTGTCCTTCAGCAAAACAAGTGGATTTAAATCTCCTTGCACAAGCTTGAGAGCAACAC   60
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Db  368 GTTGTGTCCTTCAGCAAAACAAGTGGATTTAAATCTCCTTGCACAAGCTTGAGAGCAACAC  427

Qy   61 AATCTATTCAGGAAAGAAAACCATCCAGCCAAAAAATGCACAATTCTATTCTTGGGCAAT  120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  428 AATCTATTCAGGAAAGAAAACCATCCAGCCAAAAAATGCACAATTCTATTCTTGGGCAAT  487

Qy  121 AAGAAAAAAAATCATGAAAAACCATCCAGCCAAAAATGCACAATTCTATTCTTGGGCAAT  180
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Db  488 AAGAAAAAAAATCATGAAAAACCATCCAGCCAAAAATGCACAATTCTATTCTTGGGCAAT  547

Qy  181 CTTCACGGGGCCTGGGTGGTGCTTGTGCTTCTTCCAAGGAGTGCCCAGTGCCAGGAGATGC  240
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Db  548 CTTCACGGGGCCTGGCTGCTCTGTGTCTTCTTCCAAGGAGTGCCCGGTGCCAGGAGATGC  607

Qy  241 CACCTTCCCCAAAGCTATGGACAACGTAGACGGTGACCGTCGGGCAGGGGGAGAGCGCCAG  300
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Db  608 CACCTTCCCCAAAGTTATGGACAACGTAGACGGTGACCGTCGGGCAGGGGGAGAGCGCCAG  667

Qy  301 GTGCGACTATTGACAACCCGGGGTCACCCGGGTGGTCCTGGCTGGTCTAAACGCAGCCATA  360
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Db  668 GTGCGACTATTGACAACCGGGGTCACCCGGGTGGTCCTGGCTAAACGCAGCCATCTCTA  727

Qy  361 TGCTGGGAATGACAAGTGGTTGCCTGGAATCCTCGCGGTGGTCCTTGGCAACACCCAAAC  420
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Db  728 TGCTGGGAATGACAAGTGGGTGCCTGGAATCCTCGCGGTGGTCCTTTGGCAACAACCCTA  787

Qy  421 GCAGTACAGCATCGAGGATCCAGAACCTGGATGGTGTATGACGAGGGCCCTTACACCTGCTC  480
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Db  788 GCAGTACAGCATCGAGGATCCAGAACCTGGATGGTGTATGACGAGGGCCCTTACACCTGCTC  847

Qy  481 GGTGCAGACAACACCAACACCCAAAAGACCCTTAGGGGTCCACCTCATTGTGCAAGTATCTCC  540
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Db  848 GGTGCAGACAACACCAACACCCAAAAGACCCTTAGGGGTCCACCTCATTGTGCAAGTATCTCC  907

Qy  541 CAAAAATTGTAGAGATTTCTTCAGATATCTCCATTAATGAAGGGAACAAATATTAGCCTCAC  600
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Db  908 CAAAAATTGTAGAGATTTCTTCAGATATCTCCATTAATGAAGGGAACAAATATTAGCCTCAC  967

Qy  601 CTGCATAGCAAACTGCTTAGACCAGAGCCCTACGGTTACTTGGACAACCTCTCCCCAAAGC  660
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Db  968 CTGCATAGCAAACTGGTTAGACCAGAGCCCTACGGTTACTTGGACAACACCTCTCCCCAAAGC 1027

Qy  661 GGTTGGCTTTTGTGAGTGAAGACGGAATCACTTGGAAATTCAGGGCGCATCACCCGGGAGCAGTC  720
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1028 GGTTGGCTTTTGTGAGTGAAGACGGAATCACTTGGAAATTCAGGGCGCATCACCCGGGAGCAGTC 1087

Qy  721 AGGGGACTACGAGTGCAGTGCCTCCAATGACGTGGGCGCGGCCCGGTGGTACGGGAGTAAA  780
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1088 AGGGGACTACGAGTGCAGTGCCTCCAATGACGTGGGCGCGGCCCGGTGGTACGGGAGTAAA 1147

Qy  781 GGTCACCGTGAACTATCCACACATTCAGGAAGCCAAGGTACAGGTGTCCCCGTGGG  840
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Db 1148 GGTCACCGTGAACTATCCACACATTCAGGAAGCCAAGGTACAGGTGTCCCCGTGGG 1207

Qy  841 ACAAAAAGGGAGACACTGCAGTGTGAAGCCTCAGCACAGAATTCCAGTGGTA  900
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Db 1208 ACAAAAAGGGAGACACTGCAGTGTGAAGCCTCAGCAGAATTCCAGTGGTA 1267

Qy  901 CAAGGATGACAAAAAGACTTGATTGAAGGAAAGGGGGTGAAAGTGGAAAAACAGACCTTT  960
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Db 1268 CAAGGATGACAAAAGACTGATTGAAGGAAAGGGGGTGAAAGTGGAAAAACAGACCTTT 1327

Qy  961 CCTCTCAAAAACTCATCTCTTCTCAAATGTCTCTGAAACATGACTAATGGGAACTACACTTTGCGT 1020
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Db 1328 CCTCTCAAAAACTCATCTCTTCTCAAATGTCTCTGAAACATGACTAATGGGAACTACACTTTGCGT 1387

Qy 1021 GGCCTCCAACAAGCTGGGCCACCAGCATGCCAGCATCATGCTATTTGTCAGGCGCCGT 1080
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Db 1388 GGCCTCCAACAAGCTGGGCCACCAATGCCAGCATCATGTCTATTTTGGTCAGGCGCCCGT 1447

Qy 1081 CAGGCGAGGTGAGCAACGCACTCTGAGGAGGGAGGCCAGCCAGCTGCCTGCTTCGGCGCCTCTTCT 1140
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1448 CAGGCGAGGTGAGCAACGCACTCTGAGGAGGGAGGCCAGCCAGCTGCCTGCTTCGGCGCCTCTTCT 1507

Qy 1141 GGTCTTGCACCTGCTTCTCAAATTTTGATGTGAGTGTGCCACTTCCCCACCCCCGGGGAAAGGCT 1200
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Db 1508 GGTCTTGCACCTGCTTCTCAAATTTTGATGTGAGTGTGCCACTTCCCCACCCCCGGGGAAAGGCT 1567

Qy 1201 GCCGGCCACCACCACCCAACACCAGCACCGACAGCAGCCAGCAAACCAAATCAGGATA 1260
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Db 1568 GCCGGCCACCACCACCCAACACCAGCACCGACAGCAGCCAGCAAACCAAATCAGGATA 1627

Qy 1261 TATACAAAATGAAAATTAGAAGAAAACAGCCCTCATGGGACAGAGAAAATTTGAGGGGAAC 1320
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Db 1628 TATACAAAATGAAAATTAGAAGAAACAGCCCTCATGGGACAGAGAAAATTTGAGGGGAAC 1687

Qy 1321 AAAGAAAATACTTTGGGGGGAAAAGAGTTTTTAAAAAAAAGTGCCTTTGCCTTTGCAGATA 1380
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Db 1688 AAAGAAAATACTTTGGGGGGAAAAGAGTTTTTAAAAAAAGTGCCTTGCCTTTGCAGATA 1747

Qy 1381 TTTAGGTACAATGGAGTTTTCTTTTCCCAAAAGGGAAGAGAACAGACACGCGCACCCAGGA 1440
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Db 1748 TTTAGGTACAATGGAGTTTTCTTTTCCCAAAACGGGAAGAGAACAGACACGCGCACCCTGGA 1807

Qy 1441 CCCACTGCAAGCTGCCATGGTCCATCGTCCCAAGCGGGCTCAGCGCTC 1500
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Db 1808 CCCACTGCAAGCTGCCATGGTCCATCGTCCCAAGCGGGCTCAGCGCTCTA 1867

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Db 1868 TCTGCCCACAGAGTGCCCCCCACCGTGGACTGGCCATCCCAAATTCAATCA 1927

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Db 1928 GTCCATAGAGACGAACAGAATGAGACCTTCCCGGCCCAAAGCGGTGGCGCTGCGGGCCGCACTTTG 1987

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Db 1988 GTAGACTGTGCCACCACGGCGTGTG 2012
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RESULT 553
US-10-189-940-5

; Sequence 5, Application US/10189940
; Publication No. US20030129613A1
; GENERAL INFORMATION:
; APPLICANT: Fernandes, Elma
; APPLICANT: Vernet, Corine
; APPLICANT: Shimkets, Richard
; APPLICANT: Anderson, David
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Boldog, Ferenc
; APPLICANT: Li, Li
; APPLICANT: Shenoy, Suresh
; APPLICANT: Casman, Stacie
; APPLICANT: Rastelli, Luca
; TITLE OF INVENTION: Novel Human Proteins and Polynucleotides Encoding
; FILE REFERENCE: 15966-546 CIP
; CURRENT APPLICATION NUMBER: US/10/189,940
; CURRENT FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: 60/303,241
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/369,065
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/378,730
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: 09/965,212
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/966,545
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/966,546
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/544,511
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,514
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/186,592
; PRIOR FILING DATE: 2000-03-03
; NUMBER OF SEQ ID NOS: 152
; SOFTWARE: CuraSeqlist version 0.1
;
; SEQ ID NO 5
; LENGTH: 2012
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (501)..(1532)
US-10-189-940-5

Query Match 97.9%; Score 1643.4; DB 1; Length 2012;
Best Local Similarity 99.9%; Pred. No. 0; Mismatches 1; Indels 0; Gaps 0;
Matches 1644; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy   1 GTTGTGTCCTTCAGCAAAACACAGTGGATTAAATCTCCTTGCACAAGCTTGAGAGCAACAC 60
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Db 368 GTTGTGTCCTTCAGCAAAACACAGTGGATTAAATCTCCTTGCACAAGCTTGAGAGCAACAC 427

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Db 428 AATCTATCAGGAAAGAAGAAAAAACCGAACCTGACAAAAAGAGAAGAAAAAGAAG 487

Qy 121 AAGAAAAAAAATCATGAAAAACCATCCAGCCAAAAAATGCACAAATTCTATCTCTTGGGCAAT 180
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Db 488 AAGAAAAAAAATCATGAAAAACCATCCAGCCAAAAAATGCACAAATTCTATCTCTTGGGCAAT 547

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Qy 241 CACCTTCCCAAAGCTATGGACAAACGTGACGTCGGCAGGGGGAGGAGGGAGGGCCACCCTCAG 300
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Db 608 CACCTTCCCAAAGCTATGGACAAACGTGACGTCGGCAGGGGGAGGAGGGAGGGCCACCCTCAG 667

Qy 301 GTGCACTATTGACAACCGGCGGTGGCACCGGGGTGGCCTGGCTAAACCGCAGCACCATCCTCTA 360
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Db 668 GTGCACTATTGACAACCGGCGGTGGCACCGGGGTGGCCTGGCTAAACCGCAGCACCATCCTCTA 727

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Db 728 TGCTGGGGAATGACAAAGTGGTGCTCTGGATCCTCGCGTGGTCCTTCTGAGCGATCCTCAC 787

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Db 788 GCAGGTACAGCAGGCAATCGAGATCCAGAACGTTGGATTGTGTATGACGAGGGCCCCTTACAC 847

Qy 481 GGTGCAGCAGACAACCACCCCAAAGACCTTCTAGGGTCCACCCTCATTGTGCAAGTATCTCC 540
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Db 848 GGTGCAGCAGACAACCACCCCAAAGACCTTCTAGGGTCCACCCTCATTGTGCAAGTATCTCC 907

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Db 908 CAAAATTGTAGAGATTTCTTCAGATATCTCCATTAATGAAGGGAACAAATATTAGCCTCAC 967

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Db 968 CTGCATAGCAACTGGTAGACCAGAGCCTAGGGTTACTTGGAGACACAATCTCTCCCAAAGC 1027

Qy 661 GGTTGGCTTTGTGACTGAGGAGACGAATACTTCAGGGCATCACCCGGGAGCAGTC 720
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1028 GGTTGGCTTTGTGACTGAGGAGACGAATACTTCAGGGCATCACCCGGGAGCAGTC 1087

Db 1328 CCTCTCAAAACTCATCTTCTTCAATGTCTCTGAACATGACTATGGGAGACTACACTTGCGGT 1387
Qy 1021 GGCCTCCACAAGCTGGGCGCCACCAATGCCAGCATCATGCTATTTGGTTCCAGGCGCCGGT 1080

Db 1388 GGCCTCCAACAACGCTGGGCGCACCAACCAATGCCACGCATCATGCTATTTGGTTCCAGGCGCCGT 1447
Qy 1081 CAGGCAGGTGAGCAACGGCACGCAGTCGAGGAGGGGCAGGGGCTCGGGCTCTGCCTCTTCT 1140

Db 1448 CAGGGAGGTGAGCAACGGCACGGGCATCGGGCGAGGAGGGGCAGGGGCTCGGGCTCCTTCT 1507
Qy 1141 GGTCTTGCACCTGCTTCTCAAATTTGATGTGATGTGAGTGCCACTTCCCACCCGGGAAAGGCT 1200

Db 1508 GGTCTTGCACCTGCTTCTCAAATTTGATGTGATGTGAGTGCCACTTCCCACCCGGGAAAGGCT 1567
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Db 1568 GCCCGCCACCACACCAACACAACAACAGCAATGCCAACACCGACAGCAACCAATCAGATA 1627
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Db 1628 TATACAAATGAAATTAGAAGAAAACACAGCCTCATGGGACAGAAATTTGAGGGAGGGAAC 1687
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Db 1688 AAAGAAATACTTTGGGGGAAAAGAGTTTTAAAAAAGAAAATTGAAAATTGCCTTGCAGATA 1747
Qy 1381 TTTAGTACAATGGAGTTTCTTTTCCCAAACGGGAAGAACACAGCACACCCGGCTTGGA 1440

Db 1748 TTTAGTACAATGGAGTTTCTTTTCCCAAACGGGAAGAACACAGCACACCCGGCTTGGA 1807
Qy 1441 CCCACTGCAAGCTGCATCGTGCAACCTCTTTTGGTGTCCAGTGGGCAAGGGCTCAGCCTC 1500

Db 1808 CCCACTGCAAGCTGCATCGTGCAACCTCTTTTGGTGTCCAGTGGGCAAGGGCTCAGCCTC 1867
Qy 1501 TCTGCCCACAGAGTGCCCCGACGTGGAACATTCTGGGAGCTGGGCCATCCCAAATTCAATCA 1560

Db 1868 TCTGCCCACAGAGTGCCCCGACGTGGAACATTCTGGGAGCTGGGCCATCCCAAATTCAATCA 1927
Qy 1561 GTCCATAGAGACGACGAATGAGACCTTCCGGCCCAAGGCTGGGGGCTGGGGGCACTTTG 1620

Db 1928 GTCCATAGAGACGACGAATGAGACCTTCCGGCCCAAGGGTGGGCGGCTGGGGGCACTTTG 1987
Qy 1621 GTAGACTGTGCCACCACGGGCGGTGTG 1645

Db 1988 GTAGACTGTGCCACCACGGGCGGTGTG 2012

; APPLICANT: Shinkets, Richard A.
; TITLE OF INVENTION: No. US20020168716A1e1 Human Proteins and Polynucleotides Encodir
; TITLE OF INVENTION: Them
; TITLE OF INVENTION:
; FILE REFERENCE: Cura-46 (15966-546)
; CURRENT APPLICATION NUMBER: US/09/966,546
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/544,511
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: Patentin Ver. 2.0
;
; SEQ ID NO 3
; LENGTH: 1603
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (92)..(1123)
US-09-966-546-3

Query Match   95.4%;   Score 1601.4;   DB 1;   Length 1603;
Best Local Similarity 99.9%; Pred. No. 0;   Mismatches 1; Indels 0; Gaps 0;
Matches 1602; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy     43 CAAGCTTGAGAGCAACAATCTATCAGGAAGAAGAAGAAAAAACGAACCTGACA 102
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 CAAGCTTGAGAGCAACAACAATCTATCAGGAAGAAGAAGAAAAAACGAACCTGACA 60

Qy    103 AAAAGGAAGAAAAAGAAGAGAAAAAAAATCATGAAAACCATCCAGCCAAAAATGCACAA 162
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 AAAAGGAAGAAAAAGAAGAGAAAAAAAATCATGAAAACCATCCAGCCAAAAATGCACAA 120

Qy    163 TTTCTATCTTCTTGGGCAAATTCTTCACCGGGGTGGGCTGCCTCGTGTTCTTCAAGGA 222
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TTTCTATCTTCTTGGGCAAATTCTTCACCGGGGTGGGCTGCCTCGTGTTCTTCAAGGA 180

Qy    223 CGTGGCCAGGGGAGAGATGCCACCTTCCCAAAGCTATGGCACGGTCCGCGGCCAGGG 282
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 CGTGGCCAGGGGAGAGATGCCACCTTCCCAAAGCTATGGCACGGTCCGCGGCCAGGG 240

Qy    283 GGAGAGGCGCCACACCTCAGGTGCACTATTGACAACCGGGGTGGCCCTGGCTAAA 342
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Db    241 GGAGAGGCGCCACCTCAGGTGCACTATTGACAACCGGGGTGGCCCTGGCTAAA 300

Qy    343 CCGCAGCCACCATCCTCTATCCTGGGAATGACAAGTGGGTGGTGCCTGGATCCTCT 402
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Qy    403 TCTGAGCACACCCAAAACGCAGTACAGCACGACGTGGAGTGTAGACGA 462
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Qy    463 GGGCCCTTACACCTGCTCGGTGCAGACAGACAACACCCAAAGACCTCAGGGTCCACT 522
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Qy    523 CATTGTGCAAGTATCTCCCAAAAATTGTAGAGATTTCTTCAGATATCTCATTAATGAAGG 582
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 CATTGTGCAAGTATCTCCCAAAAATTGTAGAGATTTCTTCAGATATCTCATTAATGAAGG 540

Qy    583 GAACAAATATTAGCCTCACCTGCATAGCACTGGGTAGAACTGGAAAATTCAGG 642
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    541 GAACAAATATTAGCCTCACCTGCATAGCACTGGGTAGAACTGGAAAATTCAGG 600

Qy    643 ACACATCTCTCCCAAAGCGGTTGGCTTTGTGAGTGAAGAGAGAATACTTGAAATTCAGGG 702
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 ACACATCTCTCCCAAAGCGGTTGGCTTTGTGAGTGAAGAGAGAATACTTGAAATTCAGGG 660

Qy    703 CATCACCCGGAGCAGTCAGGGACTACGAGTGCCTTCCAATGACGTGGCCGCCGCC 762
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db    661 CATCACCCGGAGCAGTCAGGGACTACGAGTGCCTTCCAATGACGTGGCCGCCGCC 720

Qy    763 CGTGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATACACATTTCAGAAGCCAAGGG 822
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    721 CGTGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATACACATTTCAGAAGCCAAGGG 780
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Qy    721 AGGGGACTACGAGTGCAGTGGGGCCGGGCCGCGGCCCGGTGCGTGGGTGTACGGAGAGTAAA 780
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Db   1088 AGGGGACTACGAGTGCAGTGGGGCCGGGCCGCGGCCCGGTGCGTGGGTGTACGGAGAGTAAA 1147

Qy    781 GGTCACCGTGAACTATCCACCATACACATTTCAGAAGCCAAGGGTACAGGTGTCCCCGTGGG 840
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Db   1148 GGTCACCGTGAACTATCCACCATACACATTTCAGAAGCCAAGGGTACAGGTGTCCCCGTGGG 1207

Qy    841 ACAAAAAGGGACACTGCAGTGTGTGAAGCCTCAGCAGTCCCCTCAGCAGAAATTCCAGTGTA 900
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Db   1208 ACAAAAAGGGACACTGCAGTGTGTGAAGCCTCAGCAGTCCCCTCAGCAGAAATTCCAGTGTA 1267

Qy    901 CAAGGATGACAAAAAGACTGATTGAAGGGAAAGAAAAGGGGTGAAAGTGGAAAAACAGAGACCTTTT 960
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Db   1268 CAAGGATGACAAAAAGACTGATTGAAGGGAAAGAAAAGGGGTGAAAGTGGAAAAACAGAGACCTTTT 1327

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Qy   1021 GGGCTCCAACAAGCTGGGCCACCAATGCCAGCACTCATGCTTATTTGGTCCAGGCCCGT 1080
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Db   1388 GGGCTCCAACAAGCTGGGCCACCAATGCCAGCACTCATGCTTATTTGGTCCAGGCCCGT 1447

Qy   1081 CAGCGAGGTGAGCAACGGCACCTGCGAGGAGGGCCAGCGGGCTGCGTTCGCTGCTGCTTTCT 1140
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Db   1448 CAGCGAGGTGAGCAACGGCACCTGCGAGGAGGGCCAGCGGGCTGCGTTCGCTGCTGCTTTCT 1507

Qy   1141 GGTCTTGCACCTGCTTCTCAAAATTTGATGTGAGTGCCACTTCCCACCCCGGGAAAGGCT 1200
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Db   1508 GGTCTTGCACCTGCTTCTCAAAATTTGATGTGAGTGCCACTTCCCACCCCGGGAAAGGCT 1567

Qy   1201 GCCGCCACCACCACCAACGACAGCGACCAGCAGCAGCAGCAACAGCAACAATCAGATA 1260
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1568 GCCGCCACCACCACCAACGACAGCGACCAGCAGCAGCAGCAACAGCAACAATCAGATA 1627

Qy   1261 TATACAAATGAAATTAGAGAAGAAAACAGCCTCATGGGACAGAAAATTTGAGGGGAGGGGAAC 1320
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Db   1628 TATACAAATGAAATTAGAGAAGAAAACAGCCTCATGGGACAGAAAATTTGAGGGGAGGGGAAC 1687

Qy   1321 AAAGAAATACTTTGGGGGGAAAAGAGTTTTAAAAAGAGAAATTGAAAATTGCCTTGCCAGATA 1380
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Db   1688 AAAGAAATACTTTGGGGGGAAAAGAGTTTTAAAAAGAGAAATTGAAAATTGCCTTGCCAGATA 1747

Qy   1381 TTTAGGTTACAATGGAGTTTTCTTTCCCAAAGGGGAAGGAGAAAGAGTTGCCTTGGA 1440
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Db   1748 TTTAGGTTACAATGGAGTTTTCTTTCCCAAAGGGGAAGGAGAAAGAGTTGCCTTGGA 1807

Qy   1441 CCCACTGCAAGCTGCATCGTGCAACCTCTTTGGTGCCAGTGTGGGCTCAGCCTC 1500
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Qy   1501 TCTGCCCACAGAGAGTGCCCCCAGGTGGAAGCTGGCCATCCAAGATTCAATCA 1560
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Db   1868 TCTGCCCACAGAGAGTGCCCCCAGGTGGAAGCTGGCCATCCAAGATTCAATCA 1927

Qy   1561 GTCCATAGAGACAGAATGAGACCTTCCGGCCCAAGCGTGGCCGTGCGGGCCACTTTG 1620
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Db   1928 GTCCATAGAGACAGAATGAGACCTTCCGGCCCAAGCGTGGCCGTGCGGGCCACTTTG 1987

Qy   1621 GTAGACTGTGCCACCGCGCGTGTG 1645
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RESULT 554
US-09-966-546-3
; Sequence 3, Application US/09966546
; Patent No. US20020168716A1
; GENERAL INFORMATION:
; APPLICANT: Fernandes, Elma
; APPLICANT: Vernet, Corine

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; PRIOR APPLICATION NUMBER: 09/544,511
; CURRENT FILING DATE: 2001-09-26
; CURRENT APPLICATION NUMBER: US/09/966,545
; FILE REFERENCE: Cura-46 (15966-546)
; TITLE OF INVENTION: No. US20020172999A1e1 Human Proteins and Polynucleotides Encoding
; TITLE OF INVENTION: Them
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Vernet, Corine
; APPLICANT: Fernandes, Elma
; GENERAL INFORMATION:
; Patent No. US20020172999A1
; Sequence 3, Application US/0996545
US-09-966-545-3
RESULT 555
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; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3
;   LENGTH: 1603
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (92)..(1123)
US-09-966-545-3

Query Match      95.4%;   Score 1601.4;   DB 1;   Length 1603;
Best Local Similarity    99.9%;   Pred. No. 0;
Matches 1602;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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Right-column alignment:

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Qy   43 CAAGCTTGAGGAGCAACAACAATCTNATCAGGAAAGAAAAGAAAGAAAAACGAACCTGACA  102
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Db    1 CAAGCTTGAGAGCAACACACATCTNATCAGGAAAGAAAAGAAAGAAAAACGAACCTGACA   60

Qy  103 AAAAAGAAGAAAAAGAGAAGAAAAAAAAATCATAGAAAACCATCCAGCCAAAAAATGCACAA  162
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Db   61 AAAAAGAAGAAAAATCATGAAAATCATGAAAATCATCCAGCCAAAAATGCACAA        120

Qy  163 TTCTATCTCTTTGGGCAATCTTCACGGAGGCGTGGCGTGGTGGCC               222
        ||||||||||||||||||||||||||||||||||||||||||||||
Db  121 TTCTATCTCTTTGGGCAATCTTCACGGAGGCGTGGCGTGGTGGCC               180

Qy  223 CGTGCGCACGGAGGAGATGCCACCTTCCCCAAAGCTATGACAACGGCGTCCGGCAGGG     282
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 CGTGCGCACGGAGGAGATGCCACCTTCCCCAAAGCTATGACAACGGCGTCCGGCAGGG     240

Qy  283 GGAGAGCGCCCACCCTCAGGTGCACTATTGACAACCGGCGTGGCGTGGTCGGCTAAA     342
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Db  241 GGAGAGCGCCCACCCTCAGGTGCACTATTGACAACCGGCGTGGCGTGGTCGGCTAAA     300

Qy  343 CCGCAGCACCATCCTTCTATGCTGGGAATGACAAGTGGTTGGCCTGGAGTGGTGGTCT     402
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Db  301 CCGCAGCACCATCCTTCTATGCTGGGAATGACAAGTGGTTGGCCTGGAGTGGTGGTCT     360

Qy  403 TCTGAGCAACACCCCAAAGGCAGTACAGCATCGAGATCGGAGATCGGAGTGTGATGACGA     462
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Db  361 TCTGAGCAACACCCCAAAGGCAGTACAGCATCGAGATCGGAGATCGGAGTGTGATGACGA     420

Qy  463 GGGGCCCTTACACCTGCTGGGTGCAGCAGGACAACCACCACCGTTAGGGGTCCACTT      522
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Db  421 GGGGCCCTTACACCTGCTGGGTGCAGCAGGACAACCACCACCGTTAGGGGTCCACT      480

Qy  523 CATTGTGCAAGTATCTCCCAAAATTGTAGAGATTTCTTCCATTAATGAAGG          582
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Db  481 CATTGTGCAAGTATCTCCCAAAATTGTAGAGATTTCTTCAGTAATGAAGG           540

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Db  541 GAACAAATATTAGCCTCACCTGCAATAGCAACTGGTTAGACCAGAGCCTTACTTGGAG     600

Qy  643 ACACATCTCTCCCAAAGCCGGTTGGCTTTGTTGACTGAAGACGAATTACTTGGAAATTCAGG  702
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Db  601 ACACATCTCTCCCAAAGCCGGTTGGCTTTGTTGACTGAAGACGAATTACTTGGAAATTCAGG  660

Qy  703 CATCACCCGGGAGCAGTCAGGGACTACGAGTGCAGTGCCTTCCAAATGACGTGGGCGGCC    762
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Db  661 CATCACCCGGGAGCAGTCAGGGACTACGAGTGCAGTGCCTTCCAAATGACGTGGGCGCGC   720

Qy  763 CGTGGTACGGGAGGAGTAAAGGTCACCGTGAACTATCACCAATACACATTCAGAAGCCAAGG  822
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Db  721 CGTGGTACGGGAGGAGTAAAGGTCACCGTGAACTATCACCAATACACATTCAGAAGCCAAGG  780

Qy  823 TACAGGTGTCCCCGTGGGGACAAAAGGGGACACTCGCAGTCGTTGAGCCCTCAGCAGTCCCCTC  882
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Db  781 TACAGGTGTCCCCGTGGGACAAAAGGGGACACTGCAGTGTTGAACCCTCAGCAGTCCCCTC    840

Qy  883 AGCAGAATTCCAGTGGTACAAGGATGACAAAAGACTGATTGAAGGAAAAGAAAGGGGTGAA   942
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Left-column alignment:

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Db  721 CGTGGTACGGGAGGAGTAAAGGTCACCGTGAACTATCACCAATACACATTCAGAAGCCAAGG  780
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Qy  883 AGCAGAATTCCAGTGGTACAAGGATGACAAAAGACTGATTGAAGGAAAAGAAAGGGGTGAA  942
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Qy  943 AGTGGAAAACAGAACCTTTCCTCTCAAAATCATCTTCTTCAAATGTCTCTGAAACATGACTA 1002
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Qy 1003 TGGGAACTACACTTGCTGGTGGCCTCCAACAAGCTGGCGCCACAACCAATGCCACATCATGCT 1062
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Db 1081 CTGGCTTGCTCGCCTCTTCTTCTTGTCTTTGCACGGAGGTGAGGTGCCACTT          1140
Qy 1183 CCCCACCCGGGAAAGGCTGCCGCCACCACCACCACCAATGCCAATGGCAACACG         1242
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Qy 1303 AATTTGAGGGAGGGGAACAAAGAAGAACTACTTTGGGGGGAACAAAGAAAAATTG        1362
Db 1261 AATTTGAGGGAGGGGAACAAAGAAGAACTACTTTGGGGGGAACAAAGAAAAATTG        1320
Qy 1363 AAAAATTGCCTTGCGCAGATAGTTACAACAATACTTGGGGGAAAAGAGTTTTAAAAAGAAATTG 1422
Db 1321 AAAAATTGCCTTGCGCAGATAGTTACAACAATACTTGGGGGAAAAGAGTTTTAAAAAGAAACA 1380
Qy 1423 CAGCACACCGGCCTTGGAACCCACTGCAAGTTGCATCGTGCGAACCTCTCTTTGGGTGCCAGTGT 1482
Db 1381 CAGCACACCGGCTTGGAACCCACTGCAAGTTGCATCGTGCGAACCTCTCTTTGGGTGCCAGTGT 1440
Qy 1483 GGGCAAGGGCTCAGCCCTCTCTGCCCACAGAGTGCCCCCACGGGAACATTCTGGAGCTGG    1542
Db 1441 GGGCAAGGGCTCAGCCCTCTCTGCCCACAGAGTGCCCCCACGGGAACATTCTGGAGCTGG    1500
Qy 1543 CCATCCCAAATTCAATCAGTCCATAGAGAGCGAAACAGAATGAGACCTTCCGGGCCCAAGGCGT 1602
Db 1501 CCATCCCAAATTCAATCAGTCCATAGAGAGCGAAACAGAATGAGACCTTCCGGGCCCAAGGCGT 1560
Qy 1603 GGCGCTGCGCGGCCACTTTGGTTAGACTGTGCCACCACGGCGTGTG                1645
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;  LENGTH: 1603
;  SEQ ID NO 3
;  SOFTWARE: Patentin Ver. 2.0
;  NUMBER OF SEQ ID NOS: 57
;  PRIOR FILING DATE: 1999-04-09
;  PRIOR APPLICATION NUMBER: USSN 60/128,514
;  PRIOR FILING DATE: 2000-04-06
;  PRIOR APPLICATION NUMBER: US/09/544,511
;  CURRENT FILING DATE: 2001-09-26
;  CURRENT APPLICATION NUMBER: US/09/965,212
;  TITLE OF INVENTION: Them
;  TITLE OF INVENTION: No. US20030003462A1el Human Proteins and Polynucleotides Encoding
;  FILE REFERENCE: Cura-46 (15966-546)
;  APPLICANT: Shimkets, Richard A.
;  APPLICANT: Vernet, Corine
;  APPLICANT: Fernandes, Elma
;  GENERAL INFORMATION:
;  Publication No. US20030003462A1
;  Sequence 3, Application US/09965212

RESULT 556
US-09-965-212-3

;  US-09-965-212-3
;  LOCATION: (92)..(1123)
;  NAME/KEY: CDS
;  FEATURE:
;  ORGANISM: Homo sapiens
;  TYPE: DNA

Query Match   95.4%;  Score 1601.4;  DB 1;  Length 1603;
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(DNA sequence alignment — Query (Qy) versus Database (Db), paired rows with match bars)

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Db     1  CAAGCTTGAGCGAGCAACACAATCTATCAGGAAGAAGAAAGAAGAAGAAAAACCGAACCTGACA   60

Qy   103  AAAAGAAGAAAAAGAAGAAGAAGAAAAATCATGAAACATGAAAAAAATCATGAAAATGCACAA  162
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Db    61  AAAAGAAGAAAAAGAAGAAGAAGAAAAATCATGAAACATGAAAAAAATCATGAAAATGCACAA  120

Qy   163  TTCTATCTTCTTGGGCAATCTTCACGGGGTGGGCTGGGCCTGGGTGGCCTTCCAAGGAGTGCC  222
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Db   121  TTCTATCTTCTTGGGCAATCTTCACGGGGTGGGCTGGGCCTGGGTGGCCTTCCAAGGAGTGCC  180

Qy   223  CGTGCGCACGGGAGATGCCACCTTTCCCCAAAGTCTATGGACAGCACAAGTGTGAGGGCCAGGG  282
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Db   181  CGTGCGCACGGGAGATGCCACCTTTCCCCAAAGTCTATGGACAGCACAAGTGTGAGGGCCAGGG  240

Qy   283  GGAGAGCGCGCCACCCCTCAGGTGCACTATTGACAACGCGGGGTGGCCTGGCTAAA  342
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Db   241  GGAGAGCGCGCCACCCCTCAGGTGCACTATTGACAACGCGGGGTGGCCTGGCTAAA  300

Qy   343  CCGCAGCCACCATCCTCTATGCTGGGAATGACAACAGTGGTGGCCTGGGATCCTCCGCGTGGTCCT  402
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Db   301  CCGCAGCCACCATCCTCTATGCTGGGAATGACAACAGTGGTGGCCTGGGATCCTCCGCGTGGTCCT  360

Qy   403  TCTGAGCAACACCCAAAACGGGTACAGCATGCAGTCAGTGGATGGAGTGTATGGACGA  462
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Db   361  TCTGAGCAACACCCAAAACGGGTACAGCATGCAGTCAGTGGATGGAGTGTATGGACGA  420

Qy   463  GGGCCCTTACACCTGCTCGGTGCACAGACAACCACCCAAAGAGACTCTAGGGGTGTCCACTT  522
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Db   421  GGGCCCTTACACCTGCTCGGTGCACAGACAACCACCCAAAGAGACTCTAGGGGTGTCCACTT  480

Qy   523  CATTGTGCAAGTATCTCCCAAAATTTGTAGAGATTTTCTTCAGATATCTCATTAATGAAGG  582
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Qy   763  CGTGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATACAATTCAGAAGCCAAGGG  822
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Db   721  CGTGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATACAATTCAGAAGCCAAGGG  780

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Qy   883  AGCAGAATTCCAGTGGTACAAGGATGACAAAGACTGATTGAAGGAAGAAAGGGGGTGAA  942
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Qy   943  AGTGGAAAACAGAACCTTTCTCTCAAAACTCATCTTCTTCAAATTGTCTCTGAACATGACTA  1002
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Qy  1123  CTGGCTGCTGCCTTCTTGGTTCTTGCACCTGCTTCTCAAATTTGATGTGAGTGAGTGCCACTT  1182
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1081  CTGGCTGCTGCCGCTTCTTGGTTCTTCAAAATTTGATGTGAGTGAGTGCCACTT  1140

Qy  1183  CCCCACCCGGGAAAGGGCTGCGCCGCCCACCACCACACACAACAGCCAATGCCAACACCG  1242
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1141  CCCCACCCGGGAAAGGGCTGCGCCGCCCACCACCAACACAGCAGCCAATGGCCAACACACCG  1200

Qy  1243  ACAGCAACCAATCAGATATATACAAAATGAAAATTAGAGAGAAAAACAGCGCCTCATGGGACAGA  1302
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1201  ACAGCAACCAATCAGATATATACAAAATGAAAATTAGAAGAGAAAAACAGCGCCTCATGGGACAGA  1260

Qy  1303  AATTTGAGGGGGAGGGGAACAAAGAAATACTTTGGGGGGGAAAAGATGTTTTAAAAAGGAAATTG  1362
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1261  AATTTGAGGGGGAGGGGAACAAAGAAATACTTTGGGGGGGAAAAGAGTTTTAAAAAGGAAATTG  1320

Qy  1363  AAAATTGCCTTGCAGATATTTAGGTACAATGGAGTTTTCTTTTCCCAAACGGGAAGAGAACA  1422
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1321  AAAATTGCCTTGCAGATATTTAGGTACAATGGAGTTTTCTTTTCCCAAACGGGAAGAACA  1380

Qy  1423  CAGCACACCCGGCCTTGGACCCACTGCAAGCTGCAACTCTCTTTGGTGTGCCAGTGT  1482
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1381  CAGCACACCCGGCCTTGGACCCACTGCAAGCTGCAACTCTCTTTGGTGTGCCAGTGT  1440

Qy  1483  GGGCAAGGGCTCAGCCCTCTCTCCCACACCGTGGGACCTCGGTGCAACAGCATCAGGACTGG  1542
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1441  GGGCAAGGGCTCAGCCCTCTCTCCCACACCGTGCAACCTCGGTGCAACAGCATTCTGGACTGG  1500

Qy  1543  CCATCCCAAAATTCAATCAGTCCATAGAGACAGAATGAGACCTTCCGGCCCCAAGCCGT  1602
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1501  CCATCCCAAAATTCAATCAGTCCATAGAGACAGAATGAGACCTTCCGGCCCCAAGCCGT  1560

Qy  1603  GGGCGCTGCCGGGGCCACTTTGGGTAGACTGTGCCACCACGCGCGGTGTG  1645
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1561  GGGCGCTGCCGGGGCCACTTTGGGTAGACTGTGCCACCACGCGCGGTGTG  1603
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RESULT 557
US-10-189-940-3
; Sequence 3, Application US/10189940
; Publication No. US20030129613A1
; GENERAL INFORMATION:
; APPLICANT: Fernandes, Elma
; APPLICANT: Vernet, Corine
; APPLICANT: Shimkets, Richard
; APPLICANT: Anderson, David
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Boldog, Ferenc
; APPLICANT: Li, Li
; APPLICANT: Shenoy, Suresh
; APPLICANT: Casman, Stacie
; APPLICANT: Rastelli, Luca
; TITLE OF INVENTION: 15966-546 CIP
; FILE REFERENCE: 15966-546
; CURRENT APPLICATION NUMBER: US/10/189,940
; CURRENT FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: 60/303,241
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/369,065
; PRIOR APPLICATION NUMBER: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/378,730
; PRIOR FILING DATE: 2002-05-08
; PRIOR APPLICATION NUMBER: 09/965,212
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; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/966,545
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/966,546
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/544,511
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,514
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/186,592
; PRIOR FILING DATE: 2000-03-03
; NUMBER OF SEQ ID NOS: 152
; SOFTWARE: CurraSeqtist version 0.1
SEQ ID NO 3
; LENGTH: 1603
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (92)..(1123)
US-10-189-940-3

  Query Match             95.4%;
  Best Local Similarity   99.9%;
  Matches 1602;  Conservative   0;  Mismatches 0;  Indels 0;  Gaps 0;

  Score 1601.4;  DB 1;  Length 1603;
  Pred. No. 0;
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Qy     43 CAAGCTTGAGCAGCACACAAATCTATCAGGAAAAGAAAGAAGAAAAAAAACGAACCTGACA 102
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 CAAGCTTGAGCAGCACAACAATCTATCAGGAAAAGAAAGAAGAAAAAAAACGAACCTGACA 60

Qy    103 AAAAAGGAAGAAAAAAGAAGAAGAAAAAATCATGAAAAAAACCATCAAG:CAAAAAATCAA 162
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 AAAAAGGAAGAAAAAAGAAGAAGAAAAAATCATGAAAAAAACCATCAAG:CAAAAAATCAA 120

Qy    163 TTCTATCCTCTTGGGGCAATCTTCACGGGGGGCTCGCTGTCTCTCTGTTCTTCCAAGGAGCC 222
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TTCTATCCTCTTGGGGCAATCTTCACGGGGGGCTCGCTGTCTCTCTGTTCTTCCAAGGAGTGCC 180

Qy    223 CGTGCGCGGCGGAGATGCCACTTCCCCAAAGCTATGGACAACGGTACGGTCCGGCGCAGGG 282
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 CGTGCGCGGCGGAGATGCCACTTCCCCAAAGCTATGGACAACGGTACGGTCCGGCGCAGGG 240

Qy    283 GGAGACGCGCCACCCTCAGGTGCCACTATTGACAACCGGGTGGCCTGGCTAAA 342
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 GGAGACGCGCCACCCTCAGGTGCCACTATTGACAACCGGGTGGCCTGGCTAAA 300

Qy    343 CCGCAGCGCACCATCCTCTATGCTGGGGAATGACAAGTGGTGGTGCTGGAGTCCTGGCTCCT 402
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 CCGCAGCGCACCATCCTCTATGCTGGGGAATGACAAGTGGTGGTGCTGGAGTCCTGGCTCCT 360

Qy    403 TCTGAGCAACACCACCCAAAACGCAGTAGCAACTGGTAGACCAGAGCCTACGGGTTACTTGGAG 462
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 TCTGAGCAACACCACCCAAAACGCAGTAGCAACTGGTAGACCAGAGCCTACGGGTTACTTGGAG 420

Qy    463 GGGCCCTTACACCTGCTCCGGTGCAGACAGACAACCCAAAGACACTTCTAGGGTCCACCT 522
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 GGGCCCTTACACCTGCTCCGGTGCAGACAGACAACCCAAAGACACTTCTAGGGTCCACCT 480

Qy    523 CATTGTGCAAGTATCTCCCAAAATTGTAGAGAATTCTTCAGATATCTCCATTAATGAAAGG 582
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 CATTGTGCAAGTATCTCCCAAAATTGTAGAGAATTCTTCAGATATCTCCATTAATGAAAGG 540

Qy    583 GAACAATATTACCTCACCTGCATAGCAACTGGTACAGCAGAGCCTACGGGTTACTTGGAG 642
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    541 GAACAATATTACCTCACCTGCATAGCAACTGGTACAGCAGAGCCTACGGGTTACTTGGAG 600

Qy    643 ACACATCTCTCCCAAAACGCGGTTGGCTTTTGTGTGAGTGAAGACGAATACTTGGAAATTCAGGG 702
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 ACACATCTCTCCCAAAACGCGGTTGGCTTTTGTGTGAGTGAAGACGAATACTTGGAAATTCAGGG 660

Qy    703 CATCACCCGGGAGCAGTCAGGGGGACTACGACTGCGCTGCCTCCAAATGACAGTGGGGCCGCC 762
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    661 CATCACCCGGGAGCAGTCAGGGGGACTACGACTGCGCTGCCTCCAAATGACAGTGGGGCCGCC 720
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Db    901 AGTGGGAAAACAGACCTTTCCTTCTCAAAACTCATCTTCTTCAATGTGTCTCTGAACATGACTA 960

Qy   1003 TGGGAACTACACTTGCGTGGCCTCCAACACAAGCCTCACACCAATGCCAGCATCATGCT 1062
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    961 TGGGAACTACACTTGCGTGGCCTCCAACACAAGCCTCACACCAATGCCAGCATCATGCT 1020

Qy   1063 ATTTGGTTCCAGGCGCCGTCAGCGAGTGAGCAAACGCACAGTGCCGTGACGTGGAAGGCAGCAGGCTGCGT 1122
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1021 ATTTGGTTCCAGGCGCCGTCACGGAGGTGAGCAAACGCACAGTGCCGTGACGTGGAAGGCAGCAGGCTGCGT 1080

Qy   1123 CTGGCTGCTGCCTCTTCTTCTGGTTCTTCGCACCTTGCTTCTCAAAATTTGATGTGAGTGAGTGCCACTT 1182
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1081 CTGGCTGCCGCCGCCTCTTCTGGTTCTTCGCACCTTGCTTCTCAAAATTTGATGTGAGTGAGTGCCACTT 1140

Qy   1183 CCCCACCGGGGAAAGGCTGCGGCGCCACCACCACCACCAACACAACGCAATGGCAACACCG 1242
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1141 CCCCACCGGGGAAAGCCTGCGGCGCCACCACCACCACCAACACAACGCAATGGCAACACCG 1200

Qy   1243 ACAGCAACCAATCAGATATATATCAAAATGAAATTAGAAGAAAACACAGCCTCATGGGACAGA 1302
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1201 ACAGCAACCAATCAGATATATATCAAAATGAAATTAGAAGAAAACACAGCCTCATGGGACAGA 1260

Qy   1303 AATTTGAGGGAGGGACAAAGAAATACTTTGGGGGGGAAAAGAGTTTTTAAAAAAGAAAATTG 1362
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1261 AATTTGAGGGAGGGGACAAAAGAAATACTTTGGGGGGGAAAAGAGTTTTTAAAAAAGAAAATTG 1320

Qy   1363 AAAAATTGCCTTGCAGATATTTTTAGGTACAATGGAGTTTTTTCTTTTTCCAAACGGGGAAGAACA 1422
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1321 AAAAATGCCTTGCAGATATTTTTAGGTACAATGGAGTTTTTTCTTTTTCCAAACGGGAAGAACA 1380

Qy   1423 CAGCACACCCGGCTTGGACCCACACTGCAAGCTGCCATCGTGCAACCTCTTTGGTTGCCAGTGT 1482
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1381 CAGCACACCCGGCTTGGACCCACACTGCAAGCTGCCATCGTGCAACCTCTTTGGTTGCCAGTGT 1440

Qy   1483 GGGCAAGGGCTCAGCCCTCTCTGCCCACAGAGTGCCCCCAGAGTGGAACAGTTCTGGACGCT 1542
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1441 GGGCAAGGGCTCAGCCTTCTCTGACCCACAGAGTGCCCCCAGAGTGGAACAGTTCTGGACGT 1500

Qy   1543 CCATCCCAAAATTCAATCAGTCCATAGAGAACGAACAGAATGAGACACTTCCCGGGCCCCAAGCGT 1602
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1501 CCATCCCAAAATTCAATCAGTCCATAGAGAACGAACAGAATGAGACACTTCCCGGGCCCCAAGCGT 1560

Qy   1603 GGGCGCTCGGGGCCACTTTGGGTAGACTGTTGCCACCACGGGCGGCGTGTG 1645
          |||||||||||||||||||||||||||||||||||||||||||||||
Db   1561 GGGCGCTCGGGGCCACTTTGGGTAGACTGTTGCCACCACGGGCGGTGTG 1603
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Query Match   86.8%; Score 1457; DB 1; Length 1678;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1457; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy    214 AGGAGGTGCCCCTGCCCAGCCGAGATGCCACCTTCCCCAAAGCTATGGACAACGTGACGGT 273
          ||||| |||| ||| ||| |||||| |||||||||||||||||||||||||||||||||||
Db    222 AGGAGTGCCCGTGCGCAGCGGAGATCCACCTTCCCCAAAGCTATGGACAACGTGACGGT 281

Qy    274 CCGGCCAGGGGGAGAGGGGCCACCCTCAGGTGCACTATTGACAACCGGGTCACCCGGGTGGC 333
          |||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||
Db    282 CCGGCCAGGGGGAGAGCGCCCACCCTCAGGTGCACTATTGACAACCGGGTCACCCGGGTGGC 341

Qy    334 CTGGCTAAACCGCAGCACCATCCTCTATGCTGGGGAATGACAAGTGGGTGCCTGGATCCTCG 393
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    342 CTGGCTAAACCGCAGCACCATCCTCTATGCTGGGGAATGACAAGTGGGTGCCTGGATCCTCG 401

Qy    394 CGTGGGTCCTTCTGAGCAAACACCCAAACGCAGTACAGCATCCAGATCCAGAACGTGGATGT 453
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    402 CGTGGGTCCTTCTGAGCAAACACCCAAACGCAGTACAGCATCCAGATCCAGAACGTGGATGT 461

Qy    454 GTATGACGAGGGCCCCTTACACCTGCTCGGTGGTGCAGACAGACACCACCAAAAGACCTCTAG 513
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    462 GTATGACGAGGGCCCCTTACACCTGCTCGGTGGTGCAGACAGACAACCACCAAAAGACCTCTAG 521

Qy    514 GGTCCACCTCATTGTGCAAGTATCTCCCAAAATTGTAGAGAATTTCTTCAGATATCTCCAT 573
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    522 GGTCCACCTCATTGTGCAAGTATCTCCCAAAATTGTAGAGAATTTCTTCAGATATCTCCAT 581

Qy    574 TAATGAAGGGAACAAATATTAGCCTCACCTGCATAGCAACTGGTTAGACCAGAGCCTACGGT 633
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    582 TAATGAAGGGAACAAATATTAGCCTCACCTGCATAGCAACTGGTTAGACCAGAGCCTACGGT 641

Qy    634 TACTTGGAGACACATCTCTCCCAAAGCGGTTGGCTTTGTGTGAGTGAAGAGACGAATTACTTGGA 693
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    642 TACTTGGAGACACATCTCTCCCAAAGCGGTTGGCTTTGTGTGAGTGAAGAGACGAATTACTTGGA 701

Qy    694 AATTCAGGGCATCACCCGGGAGGCAGTCAGGGGACTAGAGTTGCCTCCCAAATGAGGT 753
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    702 AATTCAGGGCATCACCCGGGAGGCAGTCAGGGGACTAGAGTTGCCTCCCAAATGAGGT 761

Qy    754 GGCGCGCGCCCGTGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATACATTTCAGA 813
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    763 CGTGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATCATTTCAGAGAAGCCAAGGG 822

Qy    823 TACAGGGTGTCCCGTGGGACAAAAGGGGACACTGCAGTGTGAAGCCTCAGCAGTCCCCTC 882
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    721 CGTGGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATCATTTCAGAGAAGCCAAGGG 780

Qy    883 AGCAGAATTCCAGTGGTACAAGGATGCAAAAGACTGATTGAAGGAAAGAAAAAGGGGGTGAA 942
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    841 AGCAGAATTCCAGTGGTACAAGGATGCAAAAGACTGATTGAAGGAAAGAAAAAGGGGGTGAA 900

Qy    943 AGTGGAAAACAGACCTTTCCTCTTCTTCTTCAAATGTCTTCTGAACATGACTA 1002
          |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    901 AGTGGAAAACAGACCTTTCCTCTCAAAACTCATCTTCTTCAAATGTCTTCTGAACATGACTA 960

Qy   1003 TGGGAACTACACTTGCGTTGCGTGGCCTCCAACAAGCTGGGCCACACCAAATGCCAGCGATCATGCT 1062
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    961 TGGGAACTACACTTGCGTTGCGTGGCCTCCAACAAGCTGGGCCACACCAAATGCCAGCCATCATGCT 1020

Qy   1063 ATTTGGTTCAGGCGCCGCCGTCAGCAGTGAGCAACGGCACGTCGAGGAGGCAGGCCTTCGT 1122
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1021 ATTTGGTTCAGGCGCCGTCAGCGAAGGTGAGCAACGGCACGTCGAGGAGGCAGGCCTTCGT 1080

Qy   1123 CTGGCTGCTGCTCCTCTCGGTCTTGCACTGTCTTCTCAAATTTTGATGTGTGAGTGCCACTT 1182
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1081 CTGGCTGCCGCCTCTTCTCGGTCTTGCACCTGCTTCTCTCAAATTTGATGTGCCACTT 1140

Qy   1183 CCCCACCCGGGAAAGGCTGCCGCGACCACCACCACCACAACACAGCAAATGCCAACACCG 1242
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1183 CCCCACCCGGGAAAGGCTGCCGCGACCACCACCACCACAACACAGCAAATGCCAACACCG 1242

Qy   1243 ACAGCAACCAATCAGATATATACAAATGAAAATAGAGAAAACACAGCCTCATGGGACAGA 1302
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1201 ACAGCAACCAATCAGATATATACAAATGAAAATTAGAGAAAACACAGCCTCATGGGACAGA 1260

Qy   1303 AATTTGAGGGAGGGGAACAAAGAAATACTTTGGGGAAAAGAGTTTTAAAAAAGAAAATTG 1362
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1303 AATTTGAGGGAGGGGAACAAAGAAATACTTTGGGGAAAAGAGTTTTAAAAAAGAAAATTG 1362

Qy   1363 AAAATTGCCTTGCAGATATTTAGTACAATGGAGTTTTCTTTTTCCCAAACGGGGAAGAACA 1422
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1321 AAAATTGCCTTGCAGATATTTAGTACAATGGAGTTTTTCTTTTTCCCAAACGGGGAAGAACA 1380

Qy   1423 CACCACACCCGGGTTTGGGACCCACTGCAAGCTGCATGCTGCGTCGTCGCACACTCTTTGGGTGCCACTGT 1482
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1381 CAGCACACCCGGCGTTGGACCCACTGCATCGGTGCCAACCTCTTTGGGTGCCAGTGT 1440

Qy   1483 GGGCAAAGGGCTCAGCCTCTCTGCCCACAGAGTGCCCCACGTGGGAACATTCTGGAGTCTGG 1542
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1441 GGGCAAAGGGCTCAGCCTCTCTGCCCACAGAGTGCCCCACGTGGGAACATTCTGGAGTCTGG 1500

Qy   1543 CCATCCCAAAATTCAATCAGTCATTAGAGACAGAGAATGAGACCTTCCGGCGCCAAGCGGT 1602
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1501 CCATCCCAAAATTCAATCAGTCATTAGAGACAGAGAATGAGACCTTCCGGCGCCAAGCGGT 1560

Qy   1603 GGGCCTGCGGGCACTTTGGTTAGACTGTGCCACCACGGGCGTGTG 1645
          ||||||||||||||||||||||||||||||||||||||||||||
Db   1561 GGGCCTGCGGGCACTTTGGTTAGACTGTGCCACCACGGGCGTGTG 1603
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Qy   214 AGGAGTGCCCGTGCGCAGCGGGAGGATGCCACCTTCCCCAAGCTATGGACAACGGT 273
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   345 AGGAGTGCCCGTGCGCAGCGGGAGGATGCCACCTTCCCCAAGCTATGGACAACGGT 404

Qy   274 CCGGCAGGGGAGGAGCGCCCACCCTCAGGTGCACTATTGACAACGGACTACTTCCG 333
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   405 CCGGCAGGGGAGGAGCGCCCACCCTCAGGTGCACTATTGACAACGGACTACTTGGC 464

Qy   334 CTGGCTAAACCGCACACCAATCCTTATGCTGGGAATGCAGAGTGGTGTTGCTTGGA 393
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   465 CTGGCTAAACCCGCAGCAACCAATCCTTATGCTGGGAATGCAGAGTGGTGCCTGGA 524

Qy   394 CGTGGGTCCTTCTGAGCAACACCCAAAGCACGTACGAGGCAGCATCCAGATCCTCG 453
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   525 CGTGGGTCCTTCTGAGCAACACCCAAAGCACGTACGAGGCAGCATCCAGATCCTCG 584

Qy   454 GTATGACGAGGCGCCCTTACACCTGCCTCCGGTGCAGACAGCAACCACCAAAGAAC 513
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   585 GTATGACGAGGCGCCCTTACACCTGCCTCCGGTGCAGACAGCAACCACCAAAGAAC 644

Qy   514 GGTCCACCTCATTGTGCAAGTATCTCCCAAAAATGTAGAGATTCTTCAGATATCCCAT 573
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   645 GGTCCACCTCATTGTGCAAGTATCTCCCAAAAATGTAGAGATTCTTCAGATATCCAT 704

Qy   574 TAATGAAGGGGAACAAATATTAGCTCACCTGGATAGAACTCGGTAGGACCAGAGCC 633
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   705 TAATGAAGGGGAACAAATATTAGCTCACCTGGATAGAACTCGGTAGGACCTACGGT 764

Qy   634 TACTTGGAGACACATCTCTCCCAAAACGGGTTGGCTTTGTTGTGAGTGGAAGACTA 693
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   765 TACTTGGAGACACATCTCTCCCAAAAGGGTTGGCTTTGTTGTGAGTGGAAGACTAC 824

Qy   694 AATTCAGGGCATCACCCGGGAGCAGTCAGGGGACTACGAGTGCAGTGCCTCCAATG 753
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   825 AATTCAGGGCATCACCCGGGAGCAGTCAGGGGACTACGAGTGCAGTGCCTCCAATG 884

Qy   754 GGGCGCGCCCGTGGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATACATT 813
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   885 GGGCGCGCCCGTGGGTACGGAGAGTAAAGGTCACCGTGAACTATCCACCATACATT 944

Qy   814 AGCCAAGGGTACAGGTGTCCCCGTGGGACAAAAGGGGACACTGCAGTGTGAAGGAA 873
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   945 AGCCAAGGGTACAGGTGTCCCCGTGGGACAAAAGGGGACACTGCAGTGTGAAGCCTCAGC 1004

Qy   874 AGTCCCCTCAGCAGAATTCCAGTGTGTTACAAGGATGACAAAAGACTTGATTGAGGAAGAA 933
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1005 AGTCCCCTCAGCAGAATTCCAGTGTGTTACAAGGATGACAAAAGACTTGATTGAGGAAGAA 1064

Qy   934 AGGGGTGAAAAGTGGAAAACACAGACACCTTTCCTCTTCTTCAAAAACTCATCTTCTTCAAGTGTTCTGA 993
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   934 AGGGGTGAAAAGTGGAAAACACAGACACCTTTCCTCTTCTTCAAAAACTCATCTTCTTCAAGTGTTCTGA 993

Db   942 AGGGGTGAAAAGTGGAAAACAGACACCTTTCCTCTTCTTCAAAAACTCATCTTCTTCAAGTGTTCTGA 1001

Qy   994 ACATGACTATGGGAACTACACTTGCGTGGTGTGGGCCTCCAACAAGCTGGGCCCACACCAAATGCCAG 1053
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1002 ACATGACTATGGGAACTACACTTGCGTGGTGTGGGCCTCCAACAAGCTGGGCCCACACCAAATGCCAG 1061

Qy   1054 CATCATGCTATTTGGTCTCCAGGCGCGCGTCAGCGACGGACCAACGGCACGTCGGAGGAGGGC 1113
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1062 CATCATGCTATTTGGTTCCAGGCGCGCGTCAGCGACAGCAACGGCACGTCGGAGGAGGGC 1121

Qy   1114 AGGCTGCGTCTGGCTGCTGCTGCTTCTTCTGGCTTCTTGCACCTGCTGCTCAAAATTTGATGTGA 1173
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1122 AGGCTGCGGTCGGCTGCTGCTGCTTCTTCTGGCTTCTTGCACCTGCTGCTCAAAATTTGATGTGA 1181

Qy   1174 GTGCCACTTCCCACCCCGGGAAAAGGGCTGCGCGCCGCCACCACCAGCAGCAAATG 1233
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Db   1182 GTGCCACTTCCCACCCCGGGAAAAGGGCTTGCGCCGCCACCACCAGCAGCAGCAGTGGC 1241

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RESULT 560
US-10-295-027-455
Sequence 455, Application US/10295027
Publication No. US20030233350A1

GENERAL INFORMATION:

APPLICANT: Eos Biotechnology, Inc.
APPLICANT: Afar, Daniel
APPLICANT: Aziz, Natasha
APPLICANT: Ginsberg, Wendy M.
APPLICANT: Gish, Kurt C.
APPLICANT: Glynne, Richard
APPLICANT: Hevezi, Peter A.
APPLICANT: Mack, David H.
APPLICANT: Murray, Richard
APPLICANT: Watson, Susan R.

TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
TITLE OF INVENTION: Methods of Screening for Modulators of Cancer

FILE REFERENCE: 018501-0125000US
CURRENT APPLICATION NUMBER: US/10/295,027
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/663,733
PRIOR FILING DATE: 2000-09-15

PRIOR APPLICATION NUMBER: US 60/356,714
PRIOR FILING DATE: 2002-02-13
SOFTWARE: Patentin Ver. 2.1

NUMBER OF SEQ ID NOS: 1386
Remaining Prior Application data removed - See File Wrapper or PALM.

SEQ ID NO 455
LENGTH: 1839
TYPE: DNA
ORGANISM: Homo sapiens

US-10-295-027-455

Query Match   85.9%;   Score 1442.8;   DB 1;   Length 1839;
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Matches 1464;   Conservative   0;   Mismatches   2;   Indels   20;   Gaps   1;

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Db    765 TACTTGGAGACACATCTCTCCCAAAAGCGGTTGGCTTTGTGAAGTGAAGACGAATACTTGGA 824

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Search completed: June 8, 2004, 09:32:55
Job time : 7903 secs

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;   COUNTRY: USA
;   ZIP: 94304
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: DOS
;   SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/10/306,133
;   FILING DATE: 27-No. US20030100485A1-2002
;   CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/09/009,841
;   FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
;   NAME: Billings, Lucy J.
;   REGISTRATION NUMBER: 36,749
;   REFERENCE/DOCKET NUMBER: PP-0463 US
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 650-855-0555
;   TELEFAX: 650-845-4166
;   TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 2129 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; IMMEDIATE SOURCE:
;   LIBRARY: PANCNOT07
;   CLONE: 1328320
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-306-133-2

Query Match   85.4%; Score 1434.7; DB 1; Length 2129;
Best Local Similarity   97.6%; Pred. No. 0;
Matches 1463; Conservative   0; Mismatches 3; Indels 33; Gaps 1;

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Qy  274 CCCGCAGGGGGAGGAGCGCGCACCCCTCAGGTGCACTATTGACACACCGGGTCACCGGTGGC 333
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Db  489 CCGGCAGGGGGAGGAGGCGCCACCCCTCAGGTGCACTATTGACAACGGGTTCACCGGTGGC 548

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Db  549 CTGGCTAAACCGGCACCCCATCTCTTATGCCTGGGAATGACAAGTGGGTGCCTGGATCCTCG 608

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Db  609 CGTGGTCCTTCTGAGCAACACACCCAAAACGCAGTACAGCATCGAGATCGAGAAGTGGGATGT 668

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Qy 1114 AGGGCTGCCTCTGGCTGCGCTGCCCTCTTCTTCGGTCCTTGCACCTGCTTCAAAATTTTTGATGTGA 1173

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RESULT 562
US-10-657-103-1

; Sequence 1, Application US/10657103
; Publication No. US20040038285A1
; GENERAL INFORMATION:
;   APPLICANT: Ono Pharmaceutical Co. Ltd.
;   TITLE OF INVENTION: No. US20040038285A1e1 Polypeptides, cDNA encoding the same, and u
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; FILE REFERENCE: Q61459
; CURRENT APPLICATION NUMBER: US/10/657,103
; CURRENT FILING DATE: 2003-09-09
; PRIOR APPLICATION NUMBER: US/09/700,397
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1
;   LENGTH: 1032
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-657-103-1

Query Match 61.5%; Score 1032; DB 1; Length 1032;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1032; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1081 CAGGGAGGTGAGCAACGGCAGCAGTGCGGAGGAGGCAGGCTGCGTGCTGCTGGTCTTGCA 1140
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1329 CACGGAGGTGAGCAACGGCAGCAGTGCGGAGGAGGCAGGCTGCGTGCTGCTGGTCTTGCA 1388

Qy 1141 GGTCTTGCACCTGCTTCTCAAAATTTGATGTGAGTGCCACTCCACCGGTGCCACTATTGAC 1200
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1389 GGTTCTTGCACCTGCTTCTCAAAATTTGATGTGAGTGCCACTCCACCGGTGCCACTATTGAC 1448

Qy 1201 GCCGCCACCACCAACACACACAGCATGGCACACAGCAGCAAATCAGATA 1260
        ||||||||||||||||||||||||||||||||||||||||||||||||
Db 1449 GCCGCCACCACCAACACACACAGCATGGCACACAGCAGCAAATCAGATA 1508

Qy 1261 TATACAAAATGAAAATTAGAAGAGACAACACAGCAGCGAAAATTTGAGGGGAGGAGGAAC 1320
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1509 TATACAAAATGAAAATTAGAAGAGACAACACAGCAGCGAAAATTTGAGGGGAGGAGGAAC 1568

Qy 1321 AAAGAATACTTTGGGGAAAAGAGTTTTAAAAAGAAATTGAAAAATTGCCTTGCAGATA 1380
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1569 AAAGAATACTTTGGGGAAAAGAGTTTTAAAAAGAAATTGAAAAATTGCCTTGCAGATA 1628

Qy 1381 TTTAGGTACAATGGAGTTTTTCTTTTCCCAAACGGGAAACGGGAAGGGGAAGAACACAGCACCACCCGGCTTGGA 1440
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1629 TTTAGGTTACAATGGAGTTTTCTTTTCCCAAACGGGAAACGGGAAGGGGAAGAACACAGCACCCGGCTTGGA 1688

Qy 1441 CCCACTGCAAGCTGCAACCTCTTTGGTGCCATCGTGTGGGCAAGGGGTCAGCCTC 1500
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1689 CCCACTGCAAGCTGCAACCTCTTTGGTGCCATCGTGTGGGCAAGGGGTCAGCCTC 1748

Qy 1501 TCTCCCACAGAGTGCCCCCACGTGGACTGGCCATCCAAATTCAATCA 1560
        |||||||||||||||||||||||||||||||||||||||||||||||
Db 1749 TCTGCCCACAGAGTGCCCCCACGTGGACATTCTGGACTGGCCATCCAAATTCAATCA 1808

Qy 1561 GTCCATAGAGACGAACACAGAAATGAGAGACCTTCCGCGCCCAAGCGTGGGGTGGGGCGCACTTTG 1620
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1809 GTCCATAGAGACGAACACAGAAATGAGAGACCTTCCGCGCCCAAGCGTGGGGTGGGGCGCACTTTG 1868

Qy 1621 GTAGACTGTGCCACCACGGCGTGTTGTTCGTGAAACGTGAAATAAAAAGAGCAAAAAAAAA 1679
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1869 GTAGACTGTGCCACCACGGCGTGTTGTTCGTGAAACGTGAAATAAAAAGAGCAAAAAAAGAA 1927
```

```
     670        680        690        700        710        720        730
TTTGTGAGTGAAGACGAATACTTGGAAATTCAGGGCATCACCCGGGGAGCAGCTGCAGGGGACTACGACTGCAGT
|||||||||||   ||   ||| |   |||||||||||
TTTGTGAGTGAGATGAGTACCTCAGGGCAATCACTCAGGGCAGCAGTGATGAGTGCAGC
    1020       1030       1040       1050       1060       1070       1080

     740        750        760        770        780        790        800
GCCTCCAAATGACGTGGCCGCGCCCGTGGTACGGAGAGTAAAGTCACCGTGAACGTCAGGGAACTATCCACCATTTCA
|||||   ||||| | || |||  ||||| |  ||||||| |||||||||  ||  | || ||| |  | ||| |
GCCTCCAACGACGTGGCCCAAGTGGTCAGAAGAGTCGAAGAGTGGAACTATCCACCATACTCTCA
    1090       1100       1110       1120       1130       1140       1150

     810
GAAGCCAAGGGTTACTGGTGT
   820        830        840        850        860        870        880
GAAGCCAAGGGTTACTGGTGTCCCGGGTGGGACACAGCGCAGTGTGAAGCCTTCAGCGAGTCCCCTCA
||||| || |||||| | |  ||| || ||||| |||||| || ||  ||| |||||| || |||| |
GAAGCTAAGGGTTGTGTCCCGGGTGGGCACTCGCAGTGTGAAGCCTAAAGTGGAAAACAGA
    1160       1170       1180       1190       1200       1210       1220

   890        900        910        920        930        940        950
GCAGAATTCCAGTGGTGACAAGGATGACAAAAAGACTGATTGAAGGAAAGAAGAGGGGTGAAAGTGGGAAAACAGA
||||||| |||||  | |||||||||||||| | ||  | ||||| |||||||| ||| ||||||| ||||| |||
GCAGAATTTCAGTGGTTCAAGGATGACAAAAAGACTGGTTGAAGGGGAAGAAGAGAAGGGTCAAAGTGGAAAACAGA
    1230       1240       1250       1260       1270       1280       1290

   960        970        980        990       1000       1010       1020
CCTTTCCTCTCAAAACTCATCTTCTTCAAATGTCTGAACATGACTATGGGGAACTACACTTGCGTGCCTCC
|||||||||||||||  |  ||  | ||| | |||||||||| ||  |||| ||||||||||  | |||||
CCTTTCCTTTCGAAGACTCACCCTTTTTCAAGCTCTCTGAAACAGATGGGGAACTACACATGTGTGGCATCC
    1300       1310       1320       1330       1340       1350       1360

  1030       1040       1050       1060       1070       1080       1090
AACAGCTGGGCCACACCAATGCCAGCATCATCATGCTTATTTGGTCAGCCGCCCGTCAGCCGAGGTGAGCAACGGC
||| | ||||| ||||||| |||||| |||  |   ||| |||||| || |  || ||| || |  |||||||
AACAAGTTGGGCCACACCAATGCCAGCATCATCCTATTTTGGGCCCAGGTGCTCGTCAGCGGAGGTCAACAATGGG
    1370       1380       1390       1400       1410       1420       1430

  1100       1110       1120       1130       1140       1150       1160
ACGTCGAGGAGGGGCAGGGTTCTGCTGGTTGCTGCTCCCTCCTTCTTGGGTCTTGCACCTGCTTCTTCTCAAATTTTTGATGT
|||||||||||||||  || ||  |||| || ||| ||||| | | || |  ||| | || |||||| || |||  |
ACGTCAAGGAGGGGCAGGGCTGCATTTGGGCTCCTCCCTCTTCTTCTGGTCACCTCTTACACCGCTCCTCAAAATTTTGATGT
    1440       1450       1460       1470       1480       1490       1500

  1170       1180       1190       1200       1210       1220       1230       1240
ACGTCAAGGAGGGGCAGGGCTGCATTTGGGCTCCTCCCTCTTCTTCTGGTCACCTCTTACACCGCTCC--TCAATTCAACAGCACTG---
GAGTGCCCCTTCCCTGCCGGGGAGA-GCTGCTGCCACCGCATC--TCAATTCAACAGCACTG-------CAA
    1510       1520       1530       1540       1550       1560       1570       1580

  1250       1260       1270       1280       1290       1300       1310
CAGCAACCAAATCAGATATATACAAAATTAGAGAAAAACACAGCCTCATGGGACACAGAAAATTTGAGGGAGG
||||||| ||| || || || ||| |||| | || ||| ||||| ||   ||| ||||||| |||||| || |
CATGAAGCAACAAGTCAGAGATCAGAATGAAAATTCCGAGAATCACAGCC--AATGAGACAGAAAATTCGAGGGAGG
    1590       1600       1610       1620       1630       1640       1650

  1320       1330       1340       1350       1360       1370       1380
GGAACAAAAGAATACTTT-------GGGGGGGAAAAAGAGTTTTTTAAAAAAG--AAAATTGAAAAATTGCCTTGCAGA
||||| ||||| ||||||       ||  ||||||||| || ||||| |||||  |||||||| | ||||| |||||
GGAACAAAGCAATACTGTGGGTAAAGGGAAAAAAAGTCTAAAAAGAAAAAGGAAAATTCGAAAATTCGGCCTTGCAGA
    1660       1670       1680       1690       1700       1710       1720

  1390       1400       1410       1420       1430       1440
TATTTAGGTACAAAATGGAGT----TTTCTTTTCCCAAACGGGGAAGAACACAGCACCCGGGTTTGGACCCA--C
||| ||| | |||  ||| |     |||||||| |||| |||| |||||||||  |||| |||| ||||| |  |
CAATTCGGTACCACACTGAGTTTTTCTTTTCTTTTCCCAAATGGGGAAGAA---GGCGCACCTAGCTTGGACCCACC
    1730       1740       1750       1760       1770       1780       1790

  1450       1460       1470       1480       1490       1500       1510
CACAAGCTGCACTGTGTGA
|||||||||| |||| |||
TGCAAGCTGCATGTGCAACCTCTTTGGTGCCAGTGTGGGCAAAGGGCTCAGCCGCTCAGCCTCAC-AGAGTGC
    1800       1810       1820       1830       1840       1850       1860
```

```
               1590       1600       1610       1620       1630       1640       1650
CCCCACCGTGGAACATTCTGGGAGCTGGCCATCCCATCCCAAAATTCAAATCAGTCAGCCATAGAGAC--GAACAGAGAATGAGAC
|||        ||||||||||||||  |||||||||||  ||||||||||||||||  || |||||||    |||||||||||||
CCCACCCATGGAACACATTCTGGAGTCGGGCGGCCATCCCCAAAATTTCATCGGGTCCATAGAGACACAAGAGCACAGAGAGTGAGAA
     1870       1880       1890       1900       1910       1920       1930

               1660       1670
AATAAAAAAGAGGCAAAAAAAAAA
|||        X
AATCCGAAGTAGAAAAAAAACAAGAATAA
     2020       2030 X    2040
```

```
CTTCCGGCGCCAAGCCGTGGCGGCGGCCACTTTGGTAGGACTGTTGCCACCACGGCCGTGTTGTTGTCAGAAACGGTGA
     1950       1960       1970       1980       1990       2000       2010
```

```
> O >
O | O   IntelliGenetics
> O <
```

FastB - Fast Pairwise Comparison of Sequences
Release 5.4

Results file 10017084-522_vs_u16845.res made by spaul on Fri 28 May 104 15:18:27-PDT.

Query sequence being compared: us10017084a522 (1-1679)
Number of sequences searched: 1
Number of scores above cutoff: 1

Results of the initial comparison of us10017084a522 (1-1679) with:
File : u16845.seq

```
100-

 50-

  0-
       X
 50-

 10-
   5-

   5-

   1-
  0-

  0-
  0-

  0-
                                                                                    *
SCORE   0   119   237   356   474   593   711   830   948  1067
STDEV
```

SEARCH STATISTICS

	Mean	Median	Standard Deviation
	1067	0	0.00

PARAMETERS

Similarity matrix	Unitary		
Mismatch penalty	1	K-tuple	4
Gap penalty	5.00	Joining penalty	30
Gap size penalty	0.33	Window size	500
Cutoff score	1		
Randomization group	0		

Times:
CPU   00:00:00.00
Total Elapsed 00:00:00.00

Number of residues: 2040
Number of sequences searched: 1
Number of scores above cutoff: 1

Scores:

	Mean	Median	Standard Deviation
	1067	0	0.00

The scores below are sorted by initial score.
Significance is calculated based on initial score.
A 100% identical sequence to the query sequence was not found.

The list of best scores is:

Sequence Name	Description	Length	Init. Score	Opt. Score	Sig.	Frame
1. u16845	TOIG of: u16845 check: 8993	2040	1067	1247	0.00	0

1. us10017084a522 (1-1679)   TOIG of: u16845   check: 8993   from: 1   to: 2040
u16845   TOIG of: u16845   check: 8993

```
Initial Score     =  1067    Optimized Score  =  1247    Significance =  0.00
Residue Identity  =   77%    Matches          =  1319    Mismatches   =   345
Gaps              =    35    Conservative Substitutions =    0
```

```
                X        10         20
             GTTGTGTCGTCCTTCAGCAAAACAG
             |||
300       310       320       330       340       350       360       370
ATTTAGGGGAGGAAATATTAGACTTGGAGGAGTCTGGCGCCGCTTTTCTCCCCAGTGCATCGCGCGGGTGCGCG

         30        40        50        60        70        80        90
TGGATTTAAATCTCTTGCACAAAGCTTGAGAGCAACACAATCTATCAGAGAAAGAAAGAAAGAAAAACCGA
|||||||||||||||||||||||||||   ||  |||| |||||||||||||||  |||||||||||||||
CTAGTTCATCGCTGGGTCCCCGCGCTTCACTCCCCACCCACTTCCTGTGCTCGCCG-GGGGGCGTGT
380       390       400       410       420       430       440

100       110       120       130       140       150       160
ACCTGACAAAAAGAAGAAAAAGAAGAAGAAAAATCATGAAAAACCATTCCAGCCAAAAATGCACAATTCT
|||||||||||||||||||||||||||||||||||||||||||||||||||
GCGTGCCACTACCGGGGAGTTCTGGGAAGTTGTGGCTGTCGTGTGGGGTGTTCCTGCCC
450       460       470       480       490       500       510

170       180       190       200       210       220       230
ACTCTTGGGCAAATCTTCACGGGGCTGGCTGCTCTCTGTGTCTCTT---CCAAGGAGTGCCCGTGCGAGCGGA
|||||||||||||||||||||||||||||||||||||       |||||||||||||||||
TGGAAGTGCCTCGTGGTCGTGTGTCTTCCAGGGCTGCTTGTTCCCACACGGAGTGCCGGTGCCTAGCGGA
520       530       540       550       560       570       580

240       250       260       270       280       290       300
GATGCCACCTTCCCCAAAGCTATGGACAACGTACACGGTCCGGCAGGGGAGGCGGCCACCCTCAGGTGCACT
||||||||||||||||||||||||||||||||||||||||||||||||||||||
GATGCCACCTTTCCCAAAAGCTATGGACAACGTGACACGGTCAGGCAGGGGAGAGCGGCCACCCTCAGGTGCACA
590       600       610       620       630       640       650

310       320       330       340       350       360       370
ATTGACAACCGGGTCACCCGGGGTGGGCCCTGGTCTAAACCGCAGCACCACTCCTCTATGCTGGGGAATGACAAGTGG
|||||||||||||||||||||||||||||||||||||||||||||||||||||||
ATTGACAACCGGAGTCACCCGGGGTGGGCCCTGGTCTAAAACCGCAGTACCAACCCTCTATGCTGGGAAATGACAGTGG
660       670       680       690       700       710       720

380       390       400       410       420       430       440
TGCCTGGAATCCTCGCGTGGGTCCTTCGTTCTTGAGCAACACACCCAAAAAGCAGTACAGAGATCGAAGAAAAGTGGAT
||||||||||||||||||||||||||||||||||||||||||||||
TGCCTAGATCCTCGTCGTGTGTTCTCCTCGAGTGTACACACCCAGACCAGTACAGAGATTGAGATTCCAGGAAATGTGGAT
730       740       750       760       770       780       790

460       470       480       490       500       510       520
GTGTATGACGAGGGCCCTTACACCCTGCTTCGGTGGTGCACAGGACAAACCACCCAAAAAGACAGTCCTAGGGTGCACCTC
|||||||||||||||||||||||||||||||||||||||||||||||||||||||
GTGTGTATGGATGAGGGCCCCTTTATACCTGCTGCGGTGCACAGACACAACACACCCCTTAAGGACCTTCCAGGGTCCACCTC
810       820       830       840       850       860       870

530       540       550       560       570       580       590
ATTGTGTGCAAGTAATCTCTCCCAAAAAAATTGTAGAGATTTCTTCAGAATTGAAGGGAACAAAGTGTTAAGC
||||||||||||||||||||||||||||||||||||||||||
ATTGTTACAAGTATATCTCCCAAAAAATTGTAGAGATTTCTTCAGATTAATTGAGAGGGAACAAATAATTAGC
880       890       900       910       920       930       940

600       610       620       630       640       650       660
CTCACCTGCATAGCAAACTGGGTAGACCAGAGCCTTACGGTTACTTGGAGACACAATCTCTCCCAAAAGCGGTTGGC
||||||||||||||||||||||||||||||||||||||||||
CTCACTTGCATAGCCACCAGGGTAGACACCGGAGGCAGGGCAACATTATTTCTCCCAAAGCTGTCGGC
950       960       970       980       990       1000      1010
```